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Current Issue | Back Issues | About NRES | NRES Home

Number 2, February 1997
University of Illinois at Urbana-Champaign

In this issue:

What's Happening in NRES
Kudos, Congrats, and Other Interesting Stuff
Announcements
Publications
Calendar of Events

501-98

WHAT'S HAPPENING IN NRES?

Chicoine Visits Department. David L. Chicoine, College of ACES Dean, met with the NRES faculty during the January faculty meeting. Approximately 35 faculty and staff were on hand to participate in and hear reports given on the following issues: C-FAR Update, College futuring activity, Plans for Japan House, Farm Task Force, Technology/Distance Education, ACES Administrative Restructure, NRES Building, Graduate degree name changes, Undergraduate degree titles, Responsibility Based Management, and Promotion and Tenure.

Dean Chicoine said that NRES plays a key role in environmental science in our College and on campus, and that the expertise found among our faculty gives us the opportunity to build off different and interesting projects. He also encouraged everyone to attend the ACES faculty meeting on February 4, 1997, and participate in a discourse with the Chancellor and Provost.

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New Course Offered. NRES 290, "The Insects of Forest and Landscape Trees, Shrubs, and Flowers" is a three hour lecture and laboratory course recently approved by the College of ACES Courses and Curricula Committee. **Jim Appleby**, research associate professor, will teach the course that is offered in the fall semester. NRES 290 will cover the economically important insects and mites of trees, shrubs, and flowers with emphasis on the life histories of such creatures. Cultural, biological, and chemical control strategies will also be discussed. The course will be cross-listed as Entomology 290.

Ecosystem management series planned. NRES Department Head, **Gary L. Rolfe**, will present a seminar titled "The Ecosystem Concept and the Evolution of Ecosystem-Based Management" at the next event of the Ecosystem-Based Management Study Group. The seminar will begin at 4:00 p.m.

on February 12, 1997, in W-121 Turner Hall. This will be the first of a series of seminars and discussions that will examine different perspectives on Ecosystem-Based Management. The schedule for the rest of the semester is as follows:

- **Feb. 26:** Joel Cross, Manager of Planning Section, Division of Water Pollution Control, Illinois EPA, 4:00 p.m., W-121 Turner Hall
- **March 12:** Eric T. Freyfogle, Professor of Law, UIUC, 4:00 p.m., W-121 Turner Hall
- **April 2:** Cynthia Olmstead, Illinois Nature Conservancy
- **April 16:** Dr. Thomas Hoekstra, assistant director for research, USDA-Forest Service, Rocky Mountain Forest and Range Experiment Station, noon
- **April 30:** Dr. Daniel R. Williams, associate professor of Leisure Studies, UIUC, 4:00 p.m., W-121 Turner Hall

Kudos, Congrats, and Other Interesting Stuff

Lang Receives Archaeological Award. Jim Lang, associate agronomist, captured Best Educational Award from the Indiana Archaeological Society for his educational display of prehistoric artifacts. The show took place on January 12, 1997, in Crawfordsville, Indiana. Jim is presently an amateur archaeologist and the Vice President of the Illinois State Archaeological Society and frequently displays his artifact collection at various shows in Illinois and Wisconsin. Congratulations, Jim, on receiving this award.

Anderson Speaks at Conference. Dan Anderson, research/extension specialist in agriculture, gave a presentation entitled "On-Farm Research for the Twenty- First Century" at the Precision Decision Conferences held in Davenport, Iowa, and Indianapolis, Indiana. The conferences were held on November 21, 1996, and December 6, 1996, respectively, and were sponsored by *Prairie Farmer*. Dan will also give his presentation at the DeKalb Extension Unit Regional Agronomy Day on February 27, 1997.

Honors for Andresen.
Russian Air force Attache Colonel Andrey B. Koldunov awarded four medals and citations to retired Lieutenant Colonel **John Andresen** on January 1, 1997, in recognition for his services provided to the former Union of Soviet Socialist Republics during World War II. John received the Russian Strategic Rocket Forces

Commemorative Medal; the official badge, 2nd class, for officer specialist in charge of missile systems; the official arm patch of the Soviet army ground forces; and a memorial pennant displaying the military coat of arms of the former U.S.S.R. Congratulations, John, on receiving such high honors.

Scientists collect flies. Michael Irwin,
NRES professor, led a group of seven scientists on a fly-collecting expedition to southern Africa during the months of November and December. Those who joined Mike on this adventure were **Donald Webb**, Illinois Natural History Survey, Stephen Gaimari, UIUC graduate student, Mark Metz, UIUC graduate student, Kevin Holston, UIUC graduate student, David Yeates, senior lecturer, University of Queensland, Brian Wiegmann, assistant professor, North Carolina State University, and Evert Schlinger, dipterists and person whose foundation funded the expedition. These scientists had the opportunity to travel to the Natal Province, the Ndumu Game Reserve, the Drakensberg Mountains, the Western Cape Province, the Dederberg Mountains, and to Namibia. Mike reports that the trip was very successful.

Presents paper in Israel.
On December 9-12, 1996, Poo Chow, professor of wood science, was in Tel Aviv, Israel to present a paper at the International Symposium, "Performance Concept in Building." In addition to attending the symposium, Poo also toured the Mormon University of Tel Aviv, where he saw the "beautiful wood design in the buildings."

Voigt is guest editorialist.
An editorial by **Charles Voigt**, research specialist in agriculture, appeared in a recent edition of *Chicagoland Gardening*. Chuck's article entitled "Herbs are Happening" focused on an herbal convention that was held during the middle of January. The convention was sponsored by the Illinois Herb Association (IHA) and the Illinois Specialty Growers Association (ISGA). Chuck has been the university's adviser to the IHA since its foundation.

Making headlines. William Sullivan,
NRES assistant professor, and **Francis Kuo**, NRES visiting assistant professor, appeared in an article in the January/February edition of *The Forestry Source*, a newspaper published by the Society of American Foresters. The article, "Study Says Environmental Impact Statements Should Be Easier to Decipher," shows that the average person cannot understand the typical environmental impact statement, and tells of an experiment conducted among high school students that proves their findings are accurate.

Announcements

NUMBER PLEASE—ACES PHONE-A-THON

The ninth annual College of Agricultural, Consumer and Environmental Sciences (ACES) Student/Alumni Phone- A-Thon will be held on the evenings of February 9-12, 1997, from 6:30-9:30 p.m. in 426 Mumford Hall. During this event volunteer students will be calling College of ACES alumni and friends to ask for their financial support to continue our student and faculty enrichment programs. Last year, more than 160 students, administrators, faculty and staff volunteered their time for this four-day event. Money generated from the Phone-A- Thon directly assists students in financing scholarships, student field trips, the *Illini AgriNews* and much more. For more information please contact the College of ACES Office of Development, Alumni and Corporate Relations at 333-9355.

FACULTY MEETINGS

The following is a list of the remaining 1996-97 ACES faculty meetings. All meetings will be held from 3:00 to 5:00 p.m. in the NSRL Auditorium which is located in 149 Environmental and Agricultural Sciences Building.

- **February 4, 1997** Program: Discourse with the Chancellor and Provost
- **March 7, 1997** Program: "Whither Graduate Education at UIUC?"
- **April 25, 1997** Program: Dialogue with the Dean (Annual Business Meeting)

NRES FOOD DONATIONS

"We are writing to thank you for your recent donation of food that is needed. The women and children at the center have many needs and your help and generosity are a great asset to our agency. Your concern for and support of the women and children of our community is deeply appreciated."—*letter received from The Center for Women in Transition, 506 East Church Street, Champaign Illinois.*

"We appreciate your helping us toward our goal of eliminating waste and feeding the hungry in our area."—*letter received from The Eastern Illinois Foodbank, 208 W. Griggs, Urbana Illinois.*

USE CORRECT LOGO

Just a reminder that the words "University of Illinois at Urbana-Champaign" should always appear whenever the College of ACES logo appears on print and electronic material. These words are currently being incorporated on to the logo, and electronic versions should be ready for distribution in both PC and Mac formats by early February. We will alert you when we receive

these versions for use in NRES.

WANT SOME AIR TIME?
If you are interested in going on the air with news of your agriculture-related projects or research, give **Anita Povich**, communications and development specialist, a call. RFD, the Illinois farm bureau's radio network, has a half-hour-long talk show called "RFD Today." It airs from 9:30 to 10:00 a.m. Monday through Friday on 30 stations. Currently, openings exist on February 6, 7, 12, and 17. If you have any ideas for topics and would like to be interviewed by phone for the show, give Anita a call at 3- 6258 or email a-povich@uiuc.edu

STUDENT SUCCESS
Caifen Xu, a graduate student with **J.W. Stucki**, was awarded a Graduate College On-Campus Dissertation Research Grant in the amount of $750. The award is given in recognition of quality research proposals. Congratulations, Caifen, on your success.

Amy Bein has successfully completed her requirements for her M.S. degree working under the direction of **Schuyler Korban**, professor of plant genetics. She has moved to northern Illinois to work for the Cole Palmer Corporation. Congratulations and good luck, Amy.

FOLLOWING OUR ALUMNI
Jeanie Hilten, NRES graduate, has a featured article in "Walker Valley Reflections", the newsletter of the Great Smoky Mountains Institute at Tremont. The article is entitled "Rattlers on the Rocks", and describes a hiking expedition in the Smokies in which she encountered two dozen rattlesnakes that were resting on a rock ledge.

Jeanie and her husband, Richard, were also featured speakers at the National Interpreter's Conference in Billings, Montana, where they led a session entitled "Sense of Place." If you would like a copy of Jeanie's article, please contact **Anita Povich**, communications and development specialist, at 333-6258.

Todd F. Shupe, who received his B.S. in 1992 and his M.S. in 1994 in wood products, forestry at UIUC, and his Ph.D. in 1996 at Louisiana State University, sends word that he is engaged to Kara Kyle of Baton Rouge and will be married this summer. Currently Todd is a forest products utilization specialist for CES at LSU. Congratulations to Todd and Kara!

HOW ABOUT SOME NEWS COVERAGE?
Gary Beaumont, the NRES contact in ACES Information Services (news and public affairs), is seeking your help. He has already compiled a sampling of recent articles from newspapers

and other periodicals that highlight U of I College of ACES faculty and programs, but now he and the staff in the News and Public Affairs Section want to place even more College of ACES stories in the media. Gary asks that all faculty and affiliates send him research abstracts or manuscripts that have been accepted for publication. He will then pass these along to reporters of various newspapers to be used for a possible story or feature.

Gary, who is section leader of the news and public affairs section, emphasizes he cannot guarantee that reporters will translate everything into a story. He does realize the importance of retaining a positive image of our College, however, and is working to keep such information flowing to the media. Questions should be directed to Gary at 333-9440, or by email at g-beaumont@uiuc.edu.

CAMPUS FUND DRIVE EXCEEDS GOAL

Robert Wedgeworth, head of the 1996 Campus Charitable Fund Drive, would like to thank everyone who contributed to and helped exceed the goal of this year's fund drive by 106%. The campus raised $741,748, with the College of ACES raising $41,225. Thousands of Champaign County families will benefit from a vast array of needed services. Thank you for your support!

Publications

Ross, D.S., **M.B. David**, G.B. Lawrence and R.J. Bartlett. 1996. Exchangeable hydrogen explains the pH of Spodosol Oa horizons. Soil Science Society of America Journal 60:1926-1932

Dai, K'o H., **M.B. David**, G.F. Vance, and A.J. Krzyszowska. 1996. Characterization of phosphorus in a spruce-fir Spodosol by phosphorus-31 nuclear magnetic resonance spectroscopy. Soil Science Society of America Journal 60:1843-1950.

Rustad, L.E., I.J. Fernandez, **M.B. David**, M.J. Mitchell, K.J. Nadelhoffer, and R.B. Fuller. 1996. Experimental soil acidification and recovery at the Bear Brook Watershed in Maine. Soil Science Society of America Journal 60:1933-1943.

Dai, K'o H, **M.B. David**, and G.F. Vance. 1996. Characterization of solid and dissolved carbon in a spruce-fir Spodosol. Biogeochemistry 35:339-365.

Sullivan, W.C. (1996). "Cluster housing at the rural- urban fringe: The search for adequate and satisfying places to live." Journal of Architectural and Planning Research. 13(4), 291-309.

Sullivan, W.C., Kuo, F.E., & Prabhu, M. (1996). "Assessing the impact of environmental impact statements on citizens."

Environmental Impact Assessment Review. 16(3), 171-182.

Gertner, G.Z., Parysow, P. and B. Guan 1996. Projection variance partitioning of a conceptual forest growth model with orthogonal polynomials. Forest Science. 42:474-486.

CALENDAR OF EVENTS

Feb. 7: Friday noon Forum, YMCA, "The Post- Modern Hybrid: Do Aliens Dream of Alien Sheep?" Rolando Romero, Dir. Latino/Latina Studies, UIUC
Feb. 9-12: College of ACES Phone-A-Thon
Feb. 14: NRES Faculty Retreat, Laborers Hall, Urbana
Feb. 15: FFA Day with the Illini, West Great Hall, Memorial Stadium 12:30-2:30 p.m.
Feb. 18: NRES Faculty Info Coffee, 2:00-3:00 p.m., 130 Environmental & Agricultural Sciences Building.
March 10-15: Cyberfest '97
March 14-15: College of ACES Open House
April 5: Veterinary Medicine Open House, 9 am to 4 pm, Veterinary College, South Lincoln Ave. Public is welcome.

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Site Map | The NRES Logo | nres@uiuc.edu

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Number 3, March 1997
University of Illinois at Urbana-Champaign

In this issue:

Advisory Committee
Welcome Steve Tondini
Kudos, Congrats
Alexander Joins Staff
NRES Newsmakers
Conferences
Student News
Holiday Schedule
New NRES Faculty
Monday and Friday Seminars
Publications
Calendar

Hort Club Excels in Variety of Ways

The students in our undergraduate Hort Club invited me to their February 26 meeting. The night was rainy, but it didn't deter almost 25 members from showing up. I was asked to bring them up to date on NRES activities and explain College and department restructuring.

I want to relate some of the evening's highlights. This is an impressive group of students with an enthusiastic president, Scott Mozingo, and advisor, Bob Skirvin. As I listened to their committee reports and plans for upcoming events --Mom's Day Flower Show, Corsage Sale, Annual Banquet--I realized why this club is number one in the nation. The students take an active interest in their classes and recognize what they need for a successful career. They also have a strong work ethic, as evidenced by their willingness to take responsibility for club priorities, such as a home page, creating displays, documenting events with photos, and taking hort therapy to the community.

But what I found most interesting were their questions. They clearly reflect the priorities of our faculty, ranging from the NRES rubric change, to the wording on their degrees, to the challenge of tailoring courses to meet their needs. An example of the latter is a needed course in vegetable crops entomology or urban entomology.

They asked me about the availability of courses; the need for

courses tailored for hort students; and the course descriptions for new classes and possible availability on the home page. Also, the need for a conversion table of course rubrics (when all course rubrics change to NRES in fall 1997) and, finally, what types of jobs will be available to NRES graduates.

Many of you work closely with our students in a variety of ways. I urge you to take some time to talk informally with our students, both undergraduate and graduate. Visit a meeting of the Hort Club and Illini Foresters or a graduate student coffee hour. I know my next visit will be with the Illini Foresters--as a former president of this group (way back when), I'll be curious to see what questions they ask me.

Gary L. Rolfe, Head

NRES Hosts External Advisory Committee

Members of the NRES External Advisory Committee will meet on campus Tuesday, March 11, 1997 to interact with ACES Dean David L. Chicoine, **Gary L. Rolfe**, and NRES faculty. The one-day meeting will concentrate on NRES priorities and update committee members on the NRES teaching, outreach, and research programs. If you would like to help welcome the group, stop by Room 350B Edward R. Madigan Laboratory for coffee from 7:45-8:15 a.m.

Members of the NRES External Advisory Committee are: **Harry W. Alten, Jr.**, owner, Alten Farms, Inc.; **Virginia L. Beatty**, consultant, Environmental Education and Urban Forestry; **Mary B. "Meg" Bushnell**, Northern Illinois office coordinator, IL Dept. of Natural Resources;

Eldon Gould, grain and livestock producer; **Bob Holloway**, president, Holloway Deep Till, Inc.;

Kenneth F. Konsis, executive director, Vermilion County Conservation District; **Dick R. Little**, section manager, Division of Forest Resources, IL Dept. of Natural Resources; **Marvin N. Miller**, market research manager, George J. Ball Inc.; **Charles "Chuck" Stewart**, president, Urban Forest Management, Inc.; **Richard Tanner**, owner, Tanner Orchard, Inc.; and **Randy Wahler**, grounds superintendent, Knollwood Club.

Moving On Up

Steve Tondini has accepted the Network Analyst position in NRES and will begin work in this capacity in April. Steve is a UIUC forest science graduate ('95) and has been working in NRES as a research specialist in agriculture. Currently he

manages the Illini and Lincoln Plantations, administers the LAN dedicated to computer-aided learning materials for NRES 226, and troubleshoots hardware and software for workstations in the NRES Multimedia Computer Lab.

Steve spent three years in the UIUC Department of Computer Science installing and configuring both hardware and software on new systems before joining the former Department of Forestry. This past year, he has installed and configured hardware and software for NRES faculty and staff. Congratulations, Steve, and best of luck.

GOODBYE LAURA

You can find **Laura Castaneda**, former NRES receptionist, in the ACES Academic Programs Office in 104 Mumford Hall. Laura began her new assignment with College students and faculty Feb. 17. Best wishes, Laura!

DANIEL F. DAYTON LECTURE

Mark your calendars for the Daniel F. Dayton Lecture April 29-30, 1997. Robert Fraley, UIUC alumnus responsible for Monsanto Corporation's biotechnological research program, will be the keynote speaker.

CONDOLENCES

Nancy Johnson Miller, author and longtime friend of the former forestry department, died in Santa Barbara, California, on February 9, 1997. Nancy had served as an editorial consultant for the former Department of Forestry, the Illinois Commission on Forestry Development and the Cooperative Extension Service, when she and her husband, Warren Miller, lived in Illinois.

The Millers were actively interested in historic preservation and environmental problems in Oregon, Illinois, where they operated their Christmas tree, forestry and agricultural businesses. Her interest in historic preservation led to the award-winning rehabilitation of derelict commercial buildings in Oregon. Nancy also wrote and edited several publications for the historic Pullman Foundation, Chicago, and co-authored *Pullman: Portrait of a Landmark Community*. Her love of writing, editing, and photography continued after she and Warren moved to California in 1989.

In addition to her many contributions to the Santa Barbara community, she and Warren continued their active support of undergraduate education in NRES. A celebration of Nancy's life was held in California, and an upcoming remembrance will take place in Chicago this spring. Faculty and staff in the NRES Department express their condolences to Warren Miller.

Kudos, Congrats, and Other Interesting Stuff

Andresen Receives More Military Honors. John Andresen , NRES professor, was recently awarded the Yugoslavian Army's Certificate of Appreciation by Chief of the General Staff, Colonel General Zivota Panic of the new Federal Republic of Yugoslavia's Ministry of Military Defense. The citation was given for military services performed in support of Yugoslavian Partisans during World War II.

Chairs Committee. Tony Endress , NRES professor, has been appointed chairman of the Arboretum Ponds Committee that will help coordinate the Japan House project.

Da' Best! It's no secret that **Dianne Noland's** flower arranging course is popular...and in demand. Well, the Feb. 12 issue of The Daily Illini confirmed this course's appeal by listing it sixth among UIUC's most interesting classes. More flower power to Noland!

New Additions to NRES. NRES welcomes **Mary Elizabeth Edgington** into the world. Born on February 27 at 5:45 a.m., she weighed 7 lbs., 4 oz. and is 20 inches long. Her happy parents are John and Martha Edgington. John is NRES senior research specialist.

On her first day in NRES, **Janet Alexander** also became a grandmother. Her third grandchild, a boy named Mark, was born March 3 in Virginia to her son, Charles and his wife, Linda. Mark weighed 9 lbs., 6 oz. Congratulations to our newest staff member.

Who is that NRES Artist? Art is often in the eye of the beholder. Chances are you've noticed the unusual art forms/graphics on the graduate seminar flyers. These come to NRES from the pen/computer/mind of **Art Spomer**, associate department head and professor of plant physiology--a true Renaissance man.

Announcements

EXTRA! EXTRA! READ ALL ABOUT NRES

Media coverage about NRES has exploded over the past few months. **Bill Sullivan**, assistant professor of environmental planning, and **Frances Kuo**, visiting assistant professor, appeared in an article in the*Chicago Sun Times* entitled "Trees might make inner-city life a little less violent, study says." The article talks of a study in which trees in violent, crime-ridden inner-city neighborhoods proved to "soothe the savagery" of residents at the Robert Taylor Homes. The study also suggests that trees can help address social problems. A similar story also ran in the*Champaign-Urbana News-Gazette*.

NRES faculty were featured in the *Illinois AgriNews* during consecutive weeks in February. **Joseph Stucki**, professor of soil physical chemistry, appeared in the February 7, 1997, edition in an article entitled "Soil research could lead to more reliable soil tests." The article discussed a research project under way at the University of Illinois and Purdue University that addresses the problem of unreliable soil tests for plant-available potassium.

Eli Levine, entomologist with the Illinois Natural History Survey, was pictured standing next to his exhibit on western corn rootworm beetles in the February 14, 1997, edition. Eli and **Joe Spencer**, UI entomologist, developed the exhibit that was displayed at the Capitol Rotunda in Springfield as part of a program sponsored by the Council on Food and Agricultural Research.

Mastura Raheel, professor of textiles, reports on several years of experimentation regarding chemical protective clothing. Her recommendations were outlined in the February 28, 1997, edition in an article entitled "Cotton. Leather don't protect farmers from chemical exposure." Raheel is a member of the North-Central USDA research group cooperating to study the efficacy of chemical protective clothing.

Michael Irwin, entomology professor, appeared in an article in the *Champaign-Urbana News-Gazette* that discussed his fly collecting expedition to South Africa. Joe Spencer also appeared in the*Champaign-Urbana News-Gazette* talking about rootworm beetle's habits in corn and soybean fields. **Robert Skirvin**, professor of horticulture, continues to get feedback from his article entitled "Thornless blackberry bush wasn't thornless to develop" that appeared in the *News-Gazette* last October.

Finally, the University of Illinois was recently noted for being one of the leading floriculture schools in the United States. A brief story about this outstanding NRES recognition appeared in the February edition of*GrowerTalks.*

NOMINATIONS FOR LECTURESHIP

Nominations for the Sterling B. Hendricks Memorial Lectureship are due March 15, 1997. The Agricultural Research Service established this Lecture in 1981 to honor the memory of a great scientist by recognizing scientists who have made outstanding contributions to the chemical science of agriculture. The Lecture is co-sponsored by the Agrochemical Division of the American Chemical Society and will be presented at the fall meeting in Las Vegas, Nevada, September 7-11, 1997.

To nominate a person, send the candidate's CV and a one-page

letter of nomination to Kim Kaplan, Lecture Coordinator, ARS Information Staff, 6303 Ivy Lane, Greenbelt, MD 20770, 310/344-2446.

JANET ALEXANDER JOINS NRES

Say hello to **Janet Alexander**, secretary IV, who joined the NRES Administrative Office on March 3. Janet comes to NRES from the Cooperative Extension Service, where she worked for the past nine years, both in the Champaign County Extension Office and on campus in Bevier and Mumford Halls. She began work in 1987 at UIUC in the ag library and most recently was in the CES program planning, evaluation, and reporting office. Her new office is in W-503 Turner Hall, phone 244-7387.

JUDY STOLL HAS NEW ADDRESS

You can find **Judy Stoll,** secretary III, in her new office, S-406C Turner Hall. Her phone number remains the same, 3-3650. Judy has co-edited *NRES News* since January 1996. Because of her many responsibilities, she will no longer serve as co-editor after this issue. Many thanks to Judy for her valuable contributions to the newsletter. True to form, she will help **Janet Alexander** during the transition period as Janet begins work on the newsletter with **Jane Bickelhaupt** and **Anita Povich**. Judy, we'll miss you!

COMMERCIAL PESTICIDE TRAINING AND CERTIFICATION CLINICS

NRES faculty and affiliates, including **Rhonda Ferree, John Lloyd, Phil Nixon, and Nancy Pataky, and Dave Williams**, continue to play an active role in the 1996-97 Commercial Pesticide Training and Certification Clinics which are sponsored by the Department of NRES, the Illinois Department of Agriculture and the Cooperative Extension Service. Clinics are offered throughout the state and include testing and training in aquatics, mosquitoes, turf and ornamentals, right-of way, field crop, demonstration and research, seed treatment, grain facility, and plant management.

REQUEST FOR SODA BOTTLES

Loretta Ortiz, NRES research associate, is asking people to save 1/2, one or two liter soda bottles with their caps. The plastic bottles can be dropped off at her laboratory in M-529 Turner Hall.

SMALL FRUIT AND STRAWBERRY SCHOOL

Eight NRES faculty members participated in the 1997 Illinois Small Fruit and Strawberry School, March 4-5, 1997, in Mt.

Vernon. The school was planned to help producers learn how to better grow and market their product within the coming years. University specialists from four universities and growers were on hand to share their knowledge and experiences, while special sessions were held in specialty crops, including grapes, blueberries and strawberries. **Jeff Kindhart**, senior research specialist in horticulture, chaired the program.

Other NRES faculty members who spoke at the conference included **Mosbah Kushad**, assistant professor of horticulture, **John Masiunas**, associate professor of horticulture, **Alan Otterbacher**, principal research specialist, horticulture, **Steve Ries**, associate professor, plant pathology, **Jim Schmidt**, horticulturist, **Bob Skirvin**, professor of horticulture,and **Rick Weinzierl**, associate professor of agricultural entomology.

NEW COURSE FROM NEW PROF

Maggie Alario, assistant professor of environmental sociology, will teach one of the several new courses offered by NRES in fall 1997. "Nature, Society and Democracy," NRES 287, will examine socially induced environmental problems. The course is designed to encourage students to think viable alternatives to what seems an unyielding global environmental destructive trend and is cross-listed with the departments of sociology and political science.

DISSERTATION WORKSHOP INFORMATION

The Graduate College and the UIUC Counseling Center will offer a two-part 1997 Dissertation Workshop Series on consecutive Thursdays, April 3 and April 10, from 7:00 p.m. to 9:30 p.m., 3rd Floor Levis Center.

The series will focus on some of the problems and difficulties typically encountered by doctoral students when writing a dissertation and provide participants with the opportunity to develop concrete solutions. All materials, except a pencil, will be provided by the facilitators.

Key issues include: time management, organization of the project, writing strategies, procrastination, sustaining motivation, perfectionism, obtaining support, and recognizing milestones.

Workshop leaders will be Greg Lambeth, Ph.D., clinical psychologist at the Counseling Center, and Amy Carter, Ph.D. candidate and graduate assistant at the Counseling Center.

Students should register for both sessions. Enrollment is limited to 60 students. There is NO fee for the Dissertation Workshop,

but students must register by March 25, 1997.

Registration preference will be given to students who: are in the humanities or social sciences, are ABD, are able to attend both parts of the series, and did not attend the dissertation writing workshop held last year.

To register, call the Counseling Center at 333-3704. Students should be prepared to provide the following information:

- name
- student's email address
- degree program
- date graduate study started
- targeted completion date
- dissertation topic/title

NRES Newsmakers

'97 CHRONICLE A WINNER

The 1997 issue of the College of ACES *Chronicle* highlights a year of activities for ACES alumni and donors. Produced by the Office of Development, Alumni, and Corporate Relations, the 64-page publication is rich with photos and features about ACES students, faculty, alumni, and events. NRES contributions include the following:

Faculty profile featuring **Gary Kling**; profile of the Welcome Garden addition to the UI Arboretum and Rosanne Noel, whose generous gift makes this possible; **Joyce Canaday**, winner of the 1996 ACES Staff Award for Excellence; and *Writing Down the Trail*, a journal account of students in Forestry 199, Ecology of the Mesophytic Forest, written by **Anita Povich**.

Kudos to ACES communicators Rick Bogren, editor; Molly Bentsen, copyeditor; and Ann Bergeron, designer, for their creativity in portraying our dynamic College.

HOLLAND AND ROLFE REVISE TEXT

The 5th edition of "Forests and Forestry" is off the press. Authors **I.I. Holland** and **Gary L. Rolfe**, NRES department head, have extensively updated the high-school text to reflect forestry in a society concerned about the ecosystem and its inhabitants and to portray the dramatic changes in the forestry profession and management of natural resources.

Holland is former head of the UIUC Forestry Department. Other NRES contributors are **James E. Appleby**, research associate professor, who contributed a revised chapter on destructive agents, including insects of the forest; **John Edgington**, senior research specialist in forestry, who updated the appendix on tree

species of the eastern and western United States; **Tony Pugel,** former NRES faculty; **Anita Povich**, communications and development specialist; and research specialists **Mary Lowry** and **Karyn McDermaid.**

NEWS FROM DOWN SOUTH

Stephanie Brown, director of the Illinois Forest Resource Center, recently issued the first "Illinois SAF News" newsletter for members of the Illinois chapter of the Society of American Foresters. The group held a Leadership/Team-Building meeting Feb. 27-28 at the Dixon Springs Agricultural Center. **Wendy Debiase**, NRES senior, attended as student representative. Highlights included meeting with Bill Banzhaf, executive vice president, National SAF, and the Teams Initiative Course at SIU's Touch of Nature.

17TH ANNUAL RECYCLING CONFERENCE

"Recycling Makes Cents!" is the theme of the Illinois Recycling Association's 17th Annual Conference, May 6-7, 1997 at the new Crowne Plaza Hotel in Springfield. Tour and conference session information, along with a complete registration form, are available from Pam Walkenbach (email: walkenbachp@idea.ag.uiuc.edu), or you can phone her at 217-524-9170. Pam is a NRES visiting extension specialist based in Springfield.

NRES WELCOMES SPRINGFIELD FACULTY

Three faculty members from the U of I campus at Springfield were approved as adjunct faculty in NRES: **Stephen Becker, Lee Frost-Kumpf, and Malcolm P. Levin.**

Becker is professor, Environmental Studies, and holds a joint appointment in the UIUC Department of Veterinary Biosciences (becker.steve@uis.edu); Frost-Kumpf is professor, Environmental Sciences (frost-kumpf.lee@uis.edu); and Levin is chair of the Environmental Studies Program and professor of biology and environmental studies. All three are in the School of Public Affairs and Administration, which houses the Environmental Studies Program.

Conferences

RETREAT STRESSES ACTIVE LEARNING

NRES was well represented at the third annual UIUC Faculty Retreat on *College Teaching, Tradition, Innovation and Technology: Teaching for active learning*. Nine NRES professors participated in the retreat which was held February 6, 1997, at the Illini Union. The retreat consisted of a combination of presentations and small group discussions intended for the participating faculty to gain insight about strategies and barriers in using active learning techniques in the classroom. NRES

professors who attended the retreat were **Maggie Alario, Wayne Banwart, Danilo Chinea, Mark David, George Gertner, Leland Jackson, Mastura Raheel, Art Spomer,** and**Kimberly Williams**.

PLANS/SPEAKS AT CONFERENCE

Chuck Voigt, research specialist in agriculture, planned and coordinated the herb education sessions at the 1997 Illinois Specialty Growers Convention and Trade Show in Springfield, Illinois, on January 9-11, 1997. He also gave a talk during the Small Acreage Seminar entitled "Choosing, Growing, and Marketing Herb Crops in Illinois."

Chuck was also an invited speaker at the Herb Growing and Marketing Network's Winter Getaway Conference in Baton Rouge, Louisiana, on February 6-10, 1997. Herb growers from across the United States and Canada heard Chuck speak on plant propagation and greenhouse soils. Chuck reports that in addition to a great conference, "it was also a treat to sample Louisiana cooking, tour several antebellum plantations along the Mississippi River, view camellias in flower outdoors and not in a greenhouse, and walk on ground that wasn't frozen."

TRAVELING ABROAD

Danilo Chinea, NRES assistant professor, recently returned from a trip to the Island of Babeldaob in the Republic of Palau. He was visiting one of his graduate students, Bryan Endress, who is there studying forest recovery in the largest watershed of the island. Danilo says that "Bryan's findings will add to his GIS work on land cover changes there, help the islanders in developing ecologically sound decisions for numerous development projects expected for this watershed, and will also improve our knowledge of forest recovery in tropical habitats."

TRI-STATE FOREST STEWARDSHIP CONFERENCE

The Tri-State Forest Stewardship Conference was held on Saturday, March 1, 1997, at the Sinsinawa Mound Center in Sinsinawa, Wisconsin. Sessions were conducted all day that covered such topics ranging from "Understanding Soils and Tree Growth" to "Chain Saw Safety." **Mike Bolin**, extension specialist in forestry, coordinated the event, and the Department of NRES was one of the sponsors.

PORTRAIT SCHEDULE - SPRING SEMESTER 1997

Information Services is offering the following portrait schedule for the 1997 Spring Semester to all departments, offices, and organizations in the College of ACES. Contact Judy Tyler, 333-4780, to schedule an appointment.

Tues. Mar. 18 9:00 a.m. - 5:00 p.m.

Wed. Apr. 23 9:00 a.m. - 5:00 p.m.

SABBATICAL HOUSE NEEDED
Do you know of a possible sabbatical home in Champaign or Urbana? If so, get in touch with **Joe Stucki**, professor of soil chemistry, or **Dorothy Badger**. Joe has a colleague from France who will visit UIUC during the months of July and August, along with his wife and two children (ages 11 and 15). They are hoping for a comfortable house with air-conditioning and garden. If you are aware of a suitable house, please contact Joe at 333-9636 (e-mail jstucki@uiuc.edu) or Dorothy, 333-4376 (e-mail: d-badger@uiuc.edu).

NRES Student Activities, Achievements, and Awards

Internship Awarded. Andy Zimmerman, undergraduate student in turfgrass, will be spending his summer traveling across the United States working for the United States Golf Association (USGA) as its summer intern. Andy will work with a different USGA agronomist each week to learn more about the turfgrass industry and what it takes to grow high-quality turfgrass. This is the first year the USGA has offered a summer internship, and Andy was the only one selected from a group of five other applicants. Congratulations, Andy, on this tremendous opportunity, and best of luck this summer.

Scholarship Opportunities. A $1,000 scholarship will be awarded to an outstanding student in the ornamental horticulture curriculum (specializing in turfgrass management) beginning with the 1997-98 academic year. AgrEvo, an agricultural chemical company that produces pesticides for agricultural use, will sponsor the scholarship. During the 1996-97 academic year, five new scholarships totaling $6,500 were awarded to students specializing in turfgrass management. Thanks to AgrEvo for its continued support of the turfgrass program.

Students Earn Phi Kappa Phi Invites. Congratulations to five NRES students who qualified for membership in the National Honor Society of Phi Kappa Phi: Jessica Fehrenbacher, Jay Hayek, Stephanie Strothoff, Joanne Vokoun, and Joseph Zimmerman. Membership in Phi Kappa Phi is rigorous and indicative of the commitment and dedication each student has put toward their degree programs in the College of ACES.

NRES Graduate Student Organization Update. The NRES Graduate Student Organization (GSO) held a bowling social on February 22, 1997, at Old Orchard Lanes. **David Lincicome**, GSO coordinator, reported that a good time was had by all 25 colleagues and family members that participated. "Everyone enjoyed the free pizza, and the young ones in the crowd were able to take advantage of bumper bowling." The top scores included

Lowell Gentry (193), **Amy Moore** (189), **Mark David** (161), and **David Lincicome** (156).

The GSO continues to hold weekly Coffee and Doughnut Hours on Wednesday mornings from 9:30 to 10:30. All graduate students, faculty, academic professionals and staff are encouraged to attend. David says that recent discussion topics have included careers, hand fishing, maintaining a home, course work and individual research projects. These GSO activities give everyone in the Department the opportunity to interact with colleagues outside of the lab and classroom.

Graduate Listing Available. The NRES Graduate Student Thesis Topic/Career Interests Listing for 1996-97 is now available. The listing contains approximately two-thirds of the graduate students information on their research projects and/or their career interests. With a Department as large and diverse as NRES, it is sometimes difficult to remember whose interests are focused where. The purpose of this list is to aid in educating each other about specific interests and stimulate greater communication within the Department.

The listing may be picked up in each of the following mail room locations: 240 Madigan Lab, 1115 Plant Sciences Lab, 1108 Plant Sciences Lab, N-215 Turner Hall, S-406B Turner Hall, and W-512A Turner Hall.

Holiday Schedule

The holidays for the fiscal year 1997-98 will be observed on the Urbana-Champaign campus as follows:

July 4, 1997	Independence Day (recognized holiday)
Sept. 1, 1997	Labor Day (recognized holiday)
Nov. 27, 1997	Thanksgiving Day (recognized holiday)
Nov. 28, 1997	Designated Holiday
Dec. 24, 1997	One-half Day Excused (p.m.)
Dec. 25, 1997	Christmas Day (recognized holiday)
Dec. 26, 1997	Designated Holiday
Jan. 1, 1998	New Year's Day (recognized holiday)
Jan. 2, 1998	Designated Holiday
Jan. 19, 1998	Martin Luther King Day (recognized holiday)
Mar.25, 1998	Spring Break (designated holiday)
May 25, 1998	Memorial Day (recognized holiday)

Calendar of Events

March 4-5	Small Fruit and Strawberry School
March 11	NRES External Advisory Committee Meeting
March 10-15	Cyberfest '97
March 11	NRES External Advisory Committee Meeting
March 14-15	College of ACES Open House
March 20-21	Extension Association of Illinois Spring Meeting.
March 22	Annual Gardener's Day, Macomb. For information, contact Martha Smith, Horticulture Educator, Macomb Center, 309/836-3366 or the McDonough Unit office, 309/837-3939.
March 22-30	Spring Break
March 28	All-campus holiday
April 5	Veterinary Medicine Open House
April 22-25	Stewardship Week Youth Program DSAC
April 26	Open House, Forest Resource Center, DSAC
April 29-30	Second Annual Daniel F. Dayton Lecture, featuring Robert Fraley, Monsanto Corporation.

Monday and Friday Seminars

NRES FRIDAY SEMINAR SCHEDULE

3/7 Michael Moore, University of Michigan - "Governing a groundwater commons: An economic analysis of western water law"

3/14 No seminar-ACES Open House

3/21 David Onstad - "Dynamics of adaptation by European corn borer to Transgenic Maize under heterogeneous conditions"

3/28 No seminar-Spring Break

4/4 Dick Brazee and George Gertner - "Public policy impacts on forest landowner behavior"

NRES MONDAY SEMINAR SCHEDULE

3/10 Jim Frelichowski - TBA

Rita May - "Phillips Tract: an independent study"

3/17 Frederique Birchat - "Mineralization of atrazine-ring-nitrogen in pure cultures and in soils"

Caifen Xu - TBA

3/24 BREAK

3/31 Elizabeth Wahle - "Nitrogen Metabolism of Eastern Black

Nightshade (Solanum ptycanthum Dun.) in Solution Culture"

Miguel Restrepo - TBA

4/7 Fatih Canli - "Development of putative thornless roses in vitro"

Dave Tungate - TBA

Sarah Hartung - "The effect of tree species and habitat structure on the foraging behavior of neotropical migrants and other songbirds of central Illinois"

Publications

Alomar, O. & **R. N. Wiedenmann**, eds. 1996. Zoophytophagous Heteroptera: Implications for life history and IPM. Proceedings of a Workshop, XIX International Congress of Entomology, Beijing, 1992. Thomas Say Publications in Entomology, Lanham, MD. pp. 202.

Wiedenmann, R. N. & L. T. Wilson. 1996. Potential for using zoophytophagous Heteroptera in IPM strategies, pp. 190-202. In: O. Alomar and R. N. Wiedenmann, eds. Zoo-phytophagous Heteroptera: Implications for life history and IPM. Proceedings of a Workshop, XIX International Congress of Entomology, Beijing, 1992. Thomas Say Publications in Entomology, Lanham, MD. pp. 202.

Wiedenmann, R. N., J. C. Legaspi & R. J. O'Neil. 1996. Impact of prey density and facultative plant feeding on the life history of the predator Podisus maculiventris (Say), pp. 94-118. In: O. Alomar and R. N. Wiedenmann, eds. Zoophytophagous Heteroptera: Implications for life history and IPM. Proceedings of a Workshop, XIX International Congress of Entomology, Beijing, 1992. Thomas Say Publications in Entomology, Lanham, MD. pp. 202.

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

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University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Number 11, April 2000
University of Illinois at Urbana-Champaign

In this issue:

Honors and Kudos
Student News
Upcoming Events
Papers Presented/Meetings

NRES Newsmakers
Personnel Changes in NRES
Personals
Calendar
Credits

Come to the 45th Annual Mom's Day Flower Show

The Horticulture Club will present its 45th Annual Mom's Day Flower Show and Sale on April 8 and 9 at the Stock Pavilion, 1402 West Pennsylvania Avenue, Urbana. This year's theme is "Gardens Through Time." Show hours will be 9:00 a.m. to 5:00 p.m. on the 8th and 9:00 a.m. to 2:00 p.m. on the 9th. Anyone interested in helping our students set-up on Thursday and Friday prior to the show should contact Cory Rolfe, chair of the event.

Welcome New Faces

There are several new editions to the NRES family. Check out the "Personnel Changes" section of *NRES News* and welcome our new staff members when you see them.

Honors and Kudos: Read 'em Here

Some Excellent Teachers

The March 31 issue of the *Daily Illini* listed the following NRES faculty on the "Incomplete List of Teachers Ranked as Excellent by their Students, Spring 2000 (based on data collected fall 1999)": **Dan Anderson, Don Briskin, Jeff Dawson, John Edgington, John Hassett, Gary Kling, Phil Mankin, Tim Marty, Scott Maxwell (TA), Dianne Noland, Jim Schmidt, and Bob Skirvin.**

Warnock Promising Young Researcher

The April edition of *Greenhouse Grower Magazine* featured ten young floriculture scientists, including **Daniel Warnock**, assistant professor, production floriculture. The article highlighted researchers likely to make a significant impact on floriculture through research, teaching, and outreach. Warnock was recognized for his work with western flower thrips and host plant resistance.

IEPR Celebrates One Year and Keeps Rollin'

David Onstad, associate professor, systems ecology, is pleased to report the one-year anniversary of the *Illinois Environmental Policy Review* (IEPR). Onstad is founder and managing editor of IEPR, a semiannual publication designed to meet the environmental-policy-related needs of Illinois cities, counties, and citizens. Each issue contains about 4 short articles. Last year, IEPR was mailed free of charge to over 3,600 people in Illinois, including all county board members, mayors and city managers.

Onstad reports positive comments from the 228 readers who requested IEPR after its appearance last year. Responses ranged from "Very informative on critical environmental issues" to "Thank you for providing such useful environmental information."

If you would like to submit a short article (up to 750 words) for review and publication in IEPR, contact Onstad at onstad@uiuc.edu. IEPR actively encourages submissions from University faculty and others who have valuable expertise and knowledge concerning policy and decision-making.

Van Deelen President-Elect
Timothy Van Deelen, assistant professor, wildlife ecology and wildlife management, was named President-elect of the Illinois Chapter of The Wildlife Society.

Fermanian Receives ITF Distinguished Service Award
We're a bit late with the story, but pleased to report the Illinois Turfgrass Foundation (ITF) presented its highest honor to **Tom Fermanian**, associate professor, turfgrass science, at its 1999 winter conference. This award recognizes outstanding service to the organization as well as devotion to the industry and its members.

Tom, who serves as ITF historian, played a key role in ITF's early years, when he coordinated and organized many activities from board meetings to membership activities and annual conferences. He was instrumental in developing ITF into the strong statewide organization it is today, according to ITF members.

Tom is regarded nationally and internationally for his expertise in computer applications for the turf industry. He has been the leader in getting ITF "on the web," and supervises students in the department who serve as webmasters.

Tom, currently on sabbatical leave, is widely recognized in national academic circles. Last year he received the Karl Gardner Outstanding Undergraduate Advisor award from the College of ACES. He joined the U of I turf faculty in 1980 after attending the University of Wisconsin, Oregon State University, and Oklahoma State University. Congratulations, Tom.

NRES Faculty Receive Grants

The Sentinel Research Program of C-FAR at the Illinois Agricultural Experiment Station recently awarded a research grant to M.E. Gray, **E. Levine**, adjunct professor, soybean and corn insects, J.L. Spencer, **S.A. Isard**, adjunct professor, biometeorology and aerobiology, NRES affiliate, **D.W. Onstad**, associate professor, systems ecology, S.T. Ratcliffe, P. Mitchell, **H. Robertson**, adjunct professor, molecular entomology, M. Band, H. Lewin, L. Liu, and J. Pardinas. The award was for their proposal entitled "Crop Rotation Collapses as a Pest Management Tool for Western Corn Rootworms: In Search of a Solution." The grant will fund research from 2000-2003.

S.A. Isard, J.L. Spencer, and E. Levine also received a grant from the Illinois Soybean Program Operating Board for their proposal "Monitoring Bean Pod Mottle Virus (BPMV) in Rotation-Resistant Western Corn Rootworms (WCR) and Bean Leaf Beetles (BLB) in Illinois Soybean Fields."

Meet Brenda Molano-Flores

Brenda Molano-Flores is a new adjunct assistant professor in NRES. Molano, an assistant research scientist in the Center for Biodiversity, joined the Survey in January 1998 as a restoration ecologist. Her research involves several aspects of plant reproduction, plant breeding systems, and prairie restoration in particular. Currently she is a biologist at the Midewin National Tallgrass Prairie, which is the largest prairie restoration going on in the U.S. today.

Brenda received her B.S. in biology and M.S. in biological sciences from the University of Puerto Rico and her Ph.D. in botany from the University of Iowa. She is a native of Puerto Rico. After going to school and living in Iowa for almost six years, she says "I fell in love with the tallgrass prairie of Iowa and the open spaces of the Midwest." Although it was hard for her to leave Iowa, she moved just next door to Illinois.

When she is not doing fieldwork, at the office, or killing houseplants (just because she knows something about plants doesn't mean she has a green thumb), Brenda enjoys biking, hiking, reading, going to movies and most outdoor activities.

Cook County Bureau of Forestry

Steve Bylina, Cook County Bureau of Forestry's Deputy Commissioner, met with the College of ACES and Veterinary Medicine during their visit to Chicago last month. Bylina had "glowing commendations" for NRES faculty members, Jeff Dawson and Karyn McDermaid.

He thanked **Jeff Dawson**, professor of tree physiology, for his invaluable information about the urban forestry curriculum. Bylina reinforced the "vital importance of communications and public speaking experience" for the students he wants to hire. Dawson visited Bylina several times and reports that Bylina, although a graduate of Southern Illinois University, studied under Visiting Professor **John W. Andresen**, when Andresen

headed the SIU Department of Forestry.

Karyn McDermaid received "glowing commendations" for her work on the NRES internship program and the recent NRES Career Fair. Bylina reported the Bureau felt welcome at the fair and is eager to hire our students. McDermaid is senior research specialist in agriculture.

Grad Assistant Deadline
May 20, 2000 is the deadline for submitting the information on graduate assistant appointments for summer and fall, per memorandum dated March 24, 2000. *Note:* Faculty who prefer to appoint their graduate students for the full 11/MO's (8.21.00-7.20.01) *please indicate under Fall Appointment.*

Student News

Cooke, Suski Receive Grants
Steven Cooke and **Cory Suski** both received Conference Travel Grant awards from the Graduate College. Cooke presented at the National Symposium on Catch and Release in Marine Recreational Fisheries Conference. Suski presented at the Canadian Conference for Fisheries Research.

Loughner Receives Grant
Congratulations to **Rebecca Loughner**, an undergraduate research assistant with Daniel Warnock, assistant professor, production floriculture. Rebecca received an $800 JBT Undergraduate Research Grant to conduct an experiment and placed second in the ACES Open House Undergraduate Poster Competition for a job well done.

Moran, Huenke Off To Argonne
Kelly Moran and **Christina Huenke** have been selected to fill research positions this summer at Argonne National Laboratory. For the past year, Kelly has been assisting **Richard Mulvaney**, professor of soil fertility and chemistry. Her affiliation at Argonne will be with the Environmental Research Division for a project on soil carbon. Christina, who will study protein structure in Argonne's Structural Genomics group, is presently an undergraduate research scholar working with **Jerry Sims**, NRES affiliate and environmental microbiologist. She will receive her B.S. in Microbiology this spring.

Looking For A Summer Internship or Job?
It's time to secure a summer internship or job. NRES Internship Database contains information about over 130 internship opportunities. New announcements are added daily. Information packets about writing resumes and cover letters and interviewing are available. For more information contact Karyn McDermaid, NRES internship coordinator, at karynk@uiuc.edu.

Upcoming Events

Mentoring Workshop
NRES faculty and graduate students are encouraged to participate in the Gamma Sigma Delta and College of ACES Mentoring Workshop on Monday, April 24 on the 4th floor of the Levis Faculty Center. The event will take place from 9:30 a.m. to 12:00 noon. Presenters will discuss ways to strengthen the relationships between faculty and students pursuing advanced degrees. The workshop is free and brunch will be served. To sign up, contact Anne Stites in 101 Mumford Hall, MC-710, ph: 333-3380, email: a-stites@uiuc.edu.

Greenhouse Management Workshop
The Second Annual Greenhouse Management Workshop will be held on June 20, 2000 at the Holiday Inn, Naperville, IL from 10:00 a.m. to 4:00 p.m. Topics include: keys to disease identification and management, tips to keep plants nutritionally healthy, how to automate your pesticide record-keeping, an up-date on pest control materials, and guidelines for implementing a biological control program in the greenhouse. For more information, contact **Raymond Cloyd**, assistant professor, ornamental entomology/Integrated Pest Management, at 244-7218 or rcloyd@uiuc.edu.

Insect Pathology Course
Lee Solter, adjunct professor and assistant professional scientist, will conduct a summer short course in Insect Pathology July 24-27, 2000, on the U of I campus. The course is sponsored by the Midwest Biological Control Institute, North Central Region Committee on Biological Control of Arthropod Pests (NCR-125) and is one of a series of short courses designed for graduate students and interested professionals. A specialist will cover each insect pathogen group. For an information packet, contact Lee at l-solter@uiuc.edu or 244-5047.

Master Gardener Conference
The March-April edition of *Imagine*, the Illinois Master Gardeners' Information, News and Education newsletter is out. Co-editors **Denny Schrock**, Extension specialist, and **Monica David**, research specialist in agriculture and Extension assistant, report that the State Master Gardener Conference is scheduled for August 23, 24, and 25. It will be held at the Brandywine Holiday Inn in Peoria, IL. This year's keynote speaker will be Jim Wilson from PBS's *Victory Garden* series. A schedule of events for the conference and registration information will appear in the next issue of *Imagine*.

Papers Presented/Meetings Attended

Lowry Presents Paper
Mary Lowry, NRES Student Services Coordinator attended the Third Biennial Conference on University Education in Natural Resources at the University of Missouri-Columbia campus March 26-28. She presented a paper entitled *Ten*

Questions to Answer Before You Build a Homepage in the technology session. This conference is designed to explore innovations in university and continuing education in natural resources science and management.

Stewardship Conference A Success
More than 550 landowners attended the 6th annual Tri-State Forest Stewardship Conference held at Sinsinawa Mound Center in Sinsinawa, WI. **Mike Bolin**, Extension forester, was the Chairman of the conference. The conference is sponsored by Extension services in Illinois, Iowa, and Wisconsin, the DNR Forestry Divisions, the USDA Natural Resource Conservation Services of IL, IA, and WI, and the forestry programs of NRES, Iowa State University, and the University of Wisconsin, Madison. **Jeff Dawson**, professor of tree physiology, spoke at the conference on "Understanding Basic Tree Physiology and Growth." **Judy Stoll**, NRES secretary, **Bianca Rios**, NRES graduate student, and **Jeremy Shafer**, research specialist in agriculture, assisted with conference set-up and tear down, registration, and administration. This conference continues to grow in size and popularity and is one of the largest landowner conferences of its type in the nation. The 2001 conference is planned for Saturday, March 10.

NSF PEET III Workshop
Mike Irwin, professor of international entomology, attended an NSF-sponsored PEET III three day conference and workshop where the PIs and trainees of the various PEET (Partnerships for Enhancing Expertise in Taxonomy) grants assembled. Irwin estimates that the turnout was over 300 scientists and graduate students, and that his project had the greatest number of attendees.

"The conference was held in Washington, D.C.," Mike reported, "and the breadth of taxonomic interests represented by the attendees was staggering, everything from liverworts to flies. There have now been three competitions for PEET awards, and the initial batch, which was given out in 1995 are nearing the end of their funding."

Irwin lists the people from the project that were in attendance: **Mike Irwin**, PI, UIUC; Brian Wiegmann, North Carolina State Univ., Co-PI; **Don Webb**, INHS, collaborator; Steve Gaimari, Smithsonian Institution, collaborator and past Ph.D. student; **Gail Kampmeier**, collaborator and senior research associate; **Jill Marie Mullett**, scientific illustrator graduate student, UIUC; Shaun Winterton, graduate student, Univ. Queensland, Brisbane, Australia; Longlong Yang, graduate student, North Carolina State University; **Mark Metz**, graduate student, UIUC; **Kevin Holston**, graduate student, UIUC; and **Martin Hauser**, graduate student, UIUC.

Shoemaker Speaks to Growers
Bill Shoemaker, senior research specialist in food crops, was the featured speaker at the Iowa Fruit and Vegetable Growers Conference in Des Moines, IA, February 23-25. He gave two

presentations, one on weed control strategies for growing tomatoes and the other on weed control options for jack o'lantern pumpkin growers. Bill also attended the Illinois Growers and Vintners Association annual conference in Springfield, March 22-24.

Rebeiz Gives Lectures
Tino Rebeiz, professor of plant physiology, gave two invited lectures recently. On February 24 at the American University of Beirut in Lebanon, he spoke about the use of Quantum Mechanics and Classical Biochemistry to resolve structure-function relationships. On March 15, at the University of Limerick in Ireland, he discussed the greening process and the development of photobiotechnologies.

Bouseman Gives Presentation
John Bouseman, adjunct professor and associate professional scientist, taxonomy of insects, gave an invited presentation entitled "Deer Tick and Lyme Disease in Illinois" at a Natural Resources Advisory Board meeting on Thursday, March 2. The meeting took place at the Days Inn in Danville, IL.

Charlebois Makes the Rounds
On March 2, **Pat Charlebois**, associate research scientist, gave a presentation on the status of the round goby biology and distribution in southern Lake Michigan to the Northwest Indiana Steelheaders in Portage, IN. On March 8-9, she attended meetings with Sea Grant researchers at Loyola University and University of Notre Dame designed to bring researchers into the outreach process. On March 14, she participated in a continuing education workshop on creative teaching techniques hosted by the Illinois Cooperative Extension Service.

On March 15, she attended a meeting of the Dispersal Barrier Advisory Panel in Chicago. On March 30, she co-hosted a workshop at the USDA-APHIS lab in Niles, MI to introduce 4-H leaders to biocontrol of purple loosestrife. She also gave a presentation on March 31 entitled, "Exotic Aquatics: Coming to a Lake Near You?" at the 15th Annual Conference of the Illinois Lake Management Association in Peoria, IL. From March 31-April 1, she hosted the spring meeting of the Yellow Perch Task Group at Hammond Marina in Hammond, IN.

News From the Vineyards
Alan Otterbacher, principal research specialist in agriculture, and **Bob Skirvin**, professor, horticulture, discussed the history of grape growing in Illinois from 1893 to the present at the Small Fruit School in Mt. Vernon, IL, March 7 and in Springfield to the Illinois Grape Growers and Vintners Association annual meeting March 22.

The authors of the paper included Daniel and Sheryll Clegg, who had gathered the data and helped write the paper as part of a Jonathan Baldwin Turner undergraduate research project

funded by the College of ACES.

The grape and wine projects of the Departments of Natural Resources and Environmental Sciences and Food Science and Human Nutrition were featured in a recent article in the Champaign *News Gazette*. See NRES Newsmakers for details. Skirvin and Otterbacher will be working with enologist Steve Menke this summer to make small batches of wine from the C-FAR funded vineyards established at Dixon Springs (in conjunction with **Jeff Kindhart**, Extension specialist, horticulture), Urbana, New Salem, and St. Charles (in conjunction with **Bill Shoemaker**, senior research specialist in food crops).

News From Lee Solter
Lee Solter, adjunct professor and assistant professional scientist, attended the Southern Region Committee on the Use of Entomopathogens in Pest Management (S-265) in Orlando, FL. Lee is chair of the subproject, "Development of microbial pathogens for control of gypsy moth and other forest insects," and presented the 1999 subproject report.

Solter's lab also organized and coordinated an insect zoo and display for ACES Open House in cooperation with **Randy Rogers**, research specialist in agriculture and teaching associate. Volunteers were Kate Higgs, **Gail Kampmeier**, senior research specialist, and Solter, INHS; undergraduate student Misty Rahman, entomology; graduate students Jodie Ellis, Martin Hauser, Jeff Heilveil, and Chris Pierce, entomology, and Silvia Rondon, Crop Sciences.

Warnock Attends SAF Symposium
Daniel Warnock, assistant professor, production floriculture, attended the Society of American Florists Research Initiative Symposium, Feb. 24-25 in Chicago, IL. The focus of the meeting was to coordinate and identify research projects among universities that correspond with the newly formed Floriculture Initiative outlined by Congress in 1998. Daniel also participated in the National Floriculture Leaders Forum held Feb. 26-27 at the Chicago Botanical Gardens. The forum focused on student recruitment and internships.

Warnock Speaks at Bedding Schools
Daniel Warnock, assistant professor, production floriculture, was a guest speaker at the Illinois Southern Bedding Plant School on January 4 and the Indiana Flower Growers Spring Bedding Plant School on February 17. A presentation entitled "Increasing your profit margin through correct pricing" was readily received by area producers.

Schrock Speaks at Gardening Events
Denny Schrock, Extension specialist, attended the Weekend Gardening Expo in Collinsville, IL on March 18 and an event called the Potpourri of Gardening in Decatur on March 25. At both gatherings he gave presentations on wildflowers for Illinois.

Korban Attends Meetings
Schuyler Korban, professor of plant genetics, recently traveled to the Illinois State Capitol in Springfield to attend the C-FAR poster session on February 16. He presented two posters pertaining to C-FAR funded projects at the session. He then traveled to Indiana University in Bloomington, IN for a CIC workshop on February 17-19.

Jeffords On the Circuit
Mike Jeffords, adjunct professor, insect behavior and ecology, traveled to Western Illinois University in Macomb, IL on March 5 to present an invited lecture on the relationship of geology to natural habitats in Illinois. Thirty people attended this annual meeting/show of a series of geology clubs (Geodeland) across western Illinois.

Jeffords spent February 24 on the campus of SIU to present a seminar on Illinois Biodiversity for the monthly EcoWatch forum. Thirty people attended the program and a question and answer session that followed.

Jeffords also traveled to Neuqua Valley High School, Naperville, on February 21 to present a series of short workshops on biodiversity to the Environmental Issues He spoke to three classes, totaling nearly 70 students.

Wiedenmann Meets With USDA
Rob Wiedenmann, adjunct professor, biological control, traveled to Washington, D.C. March 1-3 to meet with USDA-CSREES staff on invasive exotic species issues. He also met with several legislative assistants in Senators' and Representatives' offices to discuss efforts on combating invasive species and the need for an INHS quarantine facility.

Cloyd On the Go
Raymond Cloyd, assistant professor, ornamental entomology/Integrated Pest Management, recently attended the following conferences and workshops:

- *Insect and Disease Management on Ornamentals*, Feb. 19-21, 2000, San Jose, CA. (Sponsored by the Society American Florists, Alexandria, VA)
- *Design of Experiments: Real World Designs for Real World Problems*. Jan. 29-30, 2000, Lexington, KY. (Sponsored by the American Phytopathological Society, St. Paul, MN)
- *Purdue Pest Control Conference*, Jan. 10-14, 2000, West Lafayette, IN.

NRES Newsmakers

Don Briskin, professor, plant physiology, was the subject of a Champaign *News-Gazette* Sunday feature (by Anne Cook)

March 26. The full-page spread featured Briskin's work as a member of the Illinois Senate Task Force on hemp. Briskin hopes to plant hemp trial plots in UI fields next year, but first must get the green light to make hemp studies legal.

Other states are evaluating hemp, and researchers in Hawaii have set up the first legal test plot on U.S. soil in more than 40 years.

"There's concern now about profitability from our two usual crops," Briskin says in the interview. "They're making money on hemp in Canada. Farmers there say profits are double or triple those from corn, so you can see why farmers here are excited."

Michael Jeffords, adjunct professor, insect behavior and ecology, and **Christopher Phillips**, an adjunct assistant professor for NRES, recently were featured in ACES NEWS online. Christopher, who is also an associate research scientist and curator for the Amphibians and Reptiles Collection at the Illinois Natural History Survey, is a co-author of *Field Guide to Amphibians and Reptiles of Illinois*, which is featured in the article. Jeffords describes the book, as "a wonderful reference manual for the wildlife enthusiast". To order copies of *Field Guide to Amphibians and Reptiles of Illinois*, call 217-333-6880, e-mail cwarwick@mail.inhs.uiuc.edu or write to the Illinois Natural History Survey, Distribution Office, 607 Peabody Drive, Champaign, IL 61820. The cost of the guide is $19.95.

Once again **Bob Skirvin**, professor of horticulture, was cited in a Champaign *News-Gazette* article about the many possibilities for Illinois wines. Steve Menke, UI's new enologist (wine maker) of the Department of Food Science and Human Nutrition was also featured in the article. The February 27 feature stressed that Illinois wine makers are already making good wines; Illinois currently has 18 wineries. The state expects to see three to five new wineries opening every year for the next four or five years. Skirvin is working to develop grape varieties resistant to cold and to herbicides.

Personnel Changes in NRES

Staff Plays Musical Chairs
Joyce Canaday reports the following changes in W-503 Turner Hall, effective April 3:

Linda Harvey (W-503 Turner Hall) moved to the secretarial position vacated by **Donna Prahl** in 1005 PSL. Linda will take over the duties of Donna (travel vouchers, P-Cards, car release orders, air travel orders, scheduling meetings, general typing, mail, photocopying). Linda's phone number: 244-1693, email: lharvey@uiuc.edu.

Cathy Harney, extra help in 1005 PSL, moved to Turner Hall.

Cathy will provide clerical support for NRES communications and development in the morning (N-507, 8-12 noon) and will work in W-503 from 1 to 4:30 p.m. for the faculty previously assigned to **Judy Stoll** (general typing, travel vouchers, car release orders, air travel orders, scheduling meetings).

Faculty currently assigned to Linda Harvey will now be assigned to Cathy Harney (afternoon only). Cathy's phone number in W-503 Turner Hall will be 265-0971, email: c-harney@uiuc.edu

Linda Kemplin from extra help services will replace **Linda Harvey** in W-503 Turner Hall (receptionist). Linda will be answering the phone, ordering office supplies, sorting the mail, and making reservations for the conference rooms and trucks. She can be reached at 333-2771.

Lisa Emerson reports the following changes in the NRES Business Office, effective April 3:

Dorinda Miller (244-2736, W-503) will be the main purchasing contact for NRES. Remember this means getting those P.O. numbers ***before*** committing University funds! Dorinda will also be the contact for faculty accounts for individuals with last names H through O.

Earleen Peters (244-2913, N-519) will be the backup purchasing and deposits contact for the department. Earleen will now assume responsibility for faculty accounts P through Z.

Ray Sanden (265-0217, S-406) will continue to handle deposits of gift or service/revenue checks. In addition, Ray will assume responsibility for inventory. If an inventory number is needed for a new piece of equipment, please give Ray a call. Ray's schedule is Wednesday through Friday, so contact the business office receptionist at 244-9430 on Mondays and Tuesdays if assistance is needed.

Kelly Sullan (244-1621, N-519) will retain responsibility for departmental accounts in addition to those accounts for faculty members A through G and R. Kelly will also assist Lisa Emerson with grant processing for NRES.

Business Office receptionist (244-9430, N-519). Duties will currently be handled by an Extra Help staff member, **Gail Pruiett**. Gail joined the Business Office staff on Monday, April 3, 2000.

Responsibility	**Initial Contact**
Acct "A - G"	Kelly Sullan (244-1621)
Acct "H - O"	Dorinda Miller (244-2736)
Acct "P - Q"	Earleen Peters (244-
Acct "R"	Kelly Sullan (244-1621)

Acct "S - Z"	Earleen Peters (244-
Deposits	Ray Sanden (265-0217)
Grant Processing	Lisa Emerson (244-5164)
Inventory	Ray Sanden (265-0217)
Personnel	LuAnn Schiff (244-1484)
Purchasing	Dorinda Miller (244-2736)

If a contact individual is not available, please contact the Business Office receptionist at 244-9430 for assistance.

New Appointments
Brenda Molano-Flores is an Adjunct Assistant Professor. To reach Brenda, e-mail her at molano@inhs.uiuc.edu.

Ernesto Huaracha is a new graduate student working on his M.S. under the supervision of Schuyler Korban, professor of plant genetics. Ernesto received his B.S. in horticulture here at the U of I, and is now working in the area of molecular genetics.

Chris Jones has begun working on a Ph.D. with William Roy, associate professor of soil chemistry. You can e-mail Chris at lc-johns@ux6.cso.uiuc.edu.

Farewell to Donna Prahl
Donna Prahl, secretary in PSL, transferred to the U of I Department of Molecular and Integrative Physiology on March 12. Donna, who started in the former Forestry Department, was honored at a pizza luncheon with NRES faculty.

Judy Stoll on Year's-Leave
Judy Stoll, secretary in NRES, is taking a year's leave of absence to work for the unions through AFL/CIO Central Body of Champaign County. Her leave was effective April 2. She will be the AFL/CIO Community Services Liaison, working in partnership with United Way. Judy will be responsible for different training programs with the unions and will coordinate community support and volunteer activities by union workers.

Judy started working in the former Agronomy Dept. in 1990, and moved to NRES with the soils professors when ACES was reorganized. She was president of AFSCME Local 3700, clerical union on this campus, until December 1999. She has been co-chair of the Campus Charitable Fund Drive for four years.

Personals

Welcom Griffin Wayne Lickfeldt
Belated congratulations to **Darin and Melissa Lickfeldt**, the proud parents of Griffin Wayne Lickfeldt. Their baby boy was born November 17, 1999 at Carle Foundation Hospital in

Urbana. He weighed in at 8 lbs. 9 oz. Darin is a Ph.D. student with Tom Voigt, assistant professor, turf extension. Melissa is a surgical technologist in the Operating Room at Carle.

Condelences
NRES expresses condolences to the family of **Constantin A. Rebeiz**, professor of plant physiology, on the death of his mother, Vanentine Rebeiz. Vanentine passed away Sunday, March 26, in Beirut, Lebanon. She was 96 years old.

Harlan Dickerson, father of **Barry Dickerson**, ACES Advancement, passed away March 29 at his St. Joseph home. He was 69 years old. Mr. Dickerson was born June 23, 1930 in Brazil, Indiana, and married Betsy Forrest on September 11, 1959. She survives. He was a veteran of the Korean War and attended St. Patrick's Church in Urbana. NRES expresses condolences to the Dickerson family.

Conference Presentations
Etter, D.R., T.R. Van Deelen, R.E. Warner, and **D.R. Ludwig**. Dec. 8, 1999. Density dependent reproduction in a managed urban deer population. 61st Midwest Fish/Wildlife Conference, Chicago, IL.

Gosselink, T.E., M. Joselyn, T.R. Van Deelen, and **R.E. Warner**. Dec. 6, 1999. Use of a GPS-assisted mapping of ephemeral cover types to study the habitat use of sympatric foxes and coyotes in agricultural habitats. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Gosselink, T.E., T.R. Van Deelen, and **R.E. Warner**. Dec. 7, 1999. Red fox survival along an urban-rural gradient in central Illinois. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Hubert, P. and **R.E. Warner**. Dec. 6, 1999. Characteristics associated with private landholders in Illinois that develop and maintain wildlife habitat. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Loughner, R. Feb. 19-23, 2000. Evaluation of amarylis pollen for thrips feeding preference. The Society of American Florist Integrated Pest Management Workshop. San Jose, CA.

McDermaid, K. March 24, 2000. Tools for identifying landowner values and attitudes. Illinois Department of Natural Resources Annual Pilot Watershed Program Conference, Decatur, IL.

McDermaid K. and **G.L. Rolfe**. March 29, 2000. Sustainability at a local level: Landowner Attitudes and the State of Agriculture. USDA Natural Resources Conservation Service Global Sustainability Conference, Springfield, IL.

McDermaid, K. and **D. Barnstable**. March 27, 2000. Assessing Social Issue in Watershed Planning. Environmental

Horizons 2000 Conference, University of Illinois.

Robinson, S.K., T.R, Van Deelen, and **M. Joselyn**. Dec. 7, 1999. Does landscape context mediate effects of forest fragmentation on breeding birds? 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Van Deelen, T.R., T.E. Gosselink, and **R.E. Warner**. Dec. 7, 1999. Coyote survival and the crop cycle in central Illinois. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Publications

Cloyd, R.A. 2000. Shoreflies are more than just a nuisance. Greenhouse Management and Production 20(3): 70-71.

Cloyd, R.A. 2000. Weed management. pp. 128-130. In Tips on Managing Floriculture Crop Problems: Pest, Diseases, and Growth Control. Ohio Floriculture Association Services, Inc., Columbus, OH. 132 pgs.

Cloyd, R.A. 2000. Insect and plant interactions in the landscape. In Proceedings of the 18th Annual Southern Illinois Grounds Maintenance School. Illinois Cooperative Extension Service, University of Illinois Extension.

Cloyd, R.A. 2000. Fungus gnats and shorefly management strategies: panel discussion, pp. 57-59. In Proceedings for the 16th Conference on Insect and Disease Management on Ornamentals. Society for American Florists, Alexandria, VA. 227 pgs.

Cloyd, R.A. 2000. Integrated Pest Management, pp. H3-H8. In Illinois Master Gardener Manual. University of Illinois Extension.

Cloyd, R.A. 2000. Biological control of thrips in conservatories and research/training greenhouses. Association of Education and Research Greenhouse Curators Newsletter 12(3): 2-3.

Cloyd, R.A., and **P.L. Nixon**. 2000. Managing insects and mites on woody ornamental plants, pp. 57-72. In Commercial Landscape and Turfgrass Pest Management Handbook. University of Illinois Extension. University of Illinois, Urbana-Champaign. 136 pgs.

Ebero, A., and **J. Vining**. 2000. Motives as predictors of the public's attitudes toward solid waste issues. Environmental Management 25: 153-168.

Gibson, J.L., B.E. Whipker, and **R.A. Cloyd**. 2000. Success with container production of twelve herb species. North Carolina Flower Growers' Bulletin 45(1): 1-9.

Gonzalez, A. and **C. Eastman**. 2000. Influence of intercropping and trap cropping on diamondback moth and its natural enemies. Illinois Natural History Survey Reports 361:

5.

Hamblin, A.M. and **D.G. White**. 2000. Inheritance of resistance to Aspergillus ear rot and aflatoxin production of corn from Tex6. Phytopathology 90: 292-296.

Maddox, J.V., W. M. Brooks, and **L.F. Solter.** 2000. Bioassays of Microsporidia. In "Bioassays of Entomopathogenic Microbes and Nematodes" [Navon, A. and Ascher, K.R.S. (Eds.)] CAB International, Wallingford, pp. 197-228.

Nameth, S. and **R. Cloyd**. 2000. Difficult to manage disease and insect problems, pp. 89-94. In Tips on Managing Floriculture Crop Problems: Pest, Diseases, and Growth Control. Ohio Floriculture Association Service, Inc., Columbus, OH. 132 pgs.

Schrock, D.S., M. Meyer, P. Ascher, and **M. Snyder**. 2000. Benefits and values of the Master Gardener program. Journal of Extension 38(1): http://joe.org/joe/2000february/rb2.html.

Xie, J., H.R. Hill, S.R. Winterstein, H. Campa III, R.V. Doepker, T.R. Van Deelen, and **J. Liu**. 1999. The white-tailed deer management options model (DeerMOM): design, quantification, and application. Ecological Modeling 124: 121-130.

Correction
Please note that the ACES Student Award Banquet is scheduled from 11 a.m.-2 p.m. on April 30 in Illini Rooms A and B. In the March issue of NRES News, we listed the wrong date. We regret the error.

Calendar

Apr. 20 Gamma Sigma Delta Initiation and Banquet; 5:30 p.m., Illini Union Ballroom

21 ACES Faculty Meeting, 3:00-5:00 p.m.; 150 Animal Sciences Laboratory; Program: Annual Business Meeting

24 Campus Instructional Awards Banquet 27 ACES and Paul A. Funk Recognition Awards Program; Reception: 5:30 p.m., Illini Union South Lounge; Dinner and Program: 6:30 p.m., Illini Union Rooms A-B-C

30 ACES Student Awards Banquet; 11:00 a.m.- 2:00 p.m., Illini Union Rooms A and B

May 3 ACES Retiree Reception; 3:00-5:00 p.m., Bevier Hall Cafeteria

4 NRES Spring Picnic; 4:30 p.m., Hort Field Research Center

10 Reception at The Morton Arboretum to celebrate the new off-campus M.S. degree program in NRES

11 NRES Faculty Advisory Meeting; 10:00 a.m., N-527 Turner Hall

12 NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall

14 Commencement Convocations; Undergraduate, 9:30 a.m., Krannert Center Great Hall; Graduate, 10:00 a.m., Smith Hall

29 Memorial Day

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Number 5, May 1997
University of Illinois at Urbana-Champaign

In this issue:

Car Pool Changes Committee
Kudos, Congrats
Volunteering
Student News
Calendar
Conferences
Grants & Scholarships
NRES Graduates 1996-1997*

Merry May, Full of Spring Days and Roses...

It's curious how we associate the months of the year with specific events. May is the traditional time for graduation on the UIUC campus, but May also brings beginnings as well as closures. The NRES Department will see about 50 undergraduates and 15 graduate students receive their degrees at commencement. Not all of the graduates will end their academic careers, however, as many of them will continue to pursue further studies. I congratulate the NRES graduates on this life achievement.

May also marks the end of our second year as a department. Much has happened in the past two years that indicates continuing growth and the accomplishment of several major goals. The hallmarks of ACES are also the hallmarks of NRES: you'll find that we are a student-friendly department, we are diverse, we are in touch with real-world issues, and we offer quality programming. I congratulate the NRES faculty and staff for their hard work and dedication.

ACES Dean David L. Chicoine points out that the College's goal is "to help the people of Illinois prosper by pushing forward the frontiers of knowledge." NRES contributes to reaching this goal everyday, whether in the classroom, with our clientele, or in the laboratory.

Whenever we meet with growers, interact with urban audiences, or share our practical-outcome research, we are using knowledge to create a better future. I congratulate our College researchers, teachers, and outreach personnel for creating this level of community and commitment in the state.

And, finally, May is the time when I take to the field to teach NRES 199, Ecology of the Mesophytic Forest. For the past 20 years I've taught an ecology field experience, and this year is no exception. You see, May is also a time of rejuvenation and rededication.

I wish you a productive summer.

Gary L. Rolfe, Head

Awards, Kudos

Smith-Sebasto Honored

Nick Smith-Sebasto, assistant professor of environmental education, was honored with the Community Service Award by the Illinois Park and Recreation Association, the Illinois Association of Park Districts and the Champaign County Forest Preserve District. This award is given in recognition and appreciation of Nick's outstanding contributions and unselfish devotion for the advancement of parks, recreation and leisure in the community and state. Congratulations, Nick, on this well-deserved award.

Appleby's Video is Top Seller

James Appleby, research associate professor of forest entomology, received word that the "Oak Wilt Video," which he produced in cooperation with ACES Information Services, has sold more copies than any other video ever produced at the University of Illinois. Congratulations, Jim, for creating a best seller!

Conferences

C-FAR Sponsors a Science Summit

The Illinois Council on Food and Agricultural Research (C-FAR) invites researchers who have received C-FAR funding, and those interested in receiving C-FAR funding, to participate in a Science Summit, September 9, 1997. The Research Summit is intended to foster relationships among researchers across departments and institutions. Please mark your calendars and look for additional information that will be provided as further plans are made.

Also, application forms for C-FAR RFP 1998 Internal Competitive Grants Program are now available from the Office of Research homepage: http://www.ag.uiuc.edu/iaeshome.html

The Future of World Food Highlights Conference

The Illinois World Food and Sustainable Agriculture Program will host a conference entitled "Meeting the Demand for Food in the 21st Century: Challenges and Opportunities for Illinois Agriculture," May 28-29, 1997, in the EASB Auditorium. This conference marks the end of a series of events held throughout the spring that were sponsored by the Illinois World Food and Sustainable Agriculture Program.

Forest Product Society Held Spring Conference

Poo Chow, professor of wood science, served as program chairman and moderator for the spring meeting of the Forest Product Society Midwest Section held on April 14, 1997. The subject of the conference was "Challenges of Using Alternative Wood Materials for Window and Door Manufacturing," in which new information was provided about how to utilize wood composites as the direct substitute for pine in mill work production. Poo reports that approximately 30 people attended the all-day conference.

Other highlights of the day included an afternoon tour of CARADCO, a window and door manufacturing plant in Rantoul, and a tour of the NRES Wood Engineering Laboratory on campus. **Roger Meimban** and **Dilpreet Bajwa** helped plan this successful event.

Requests for Proposal for New Hires

The Environmental Council has issued a request for proposals from all colleges and departments on campus to fund new faculty hiring. The Environmental Council was formed earlier this year with a wide range of objectives aimed at enhancing the education and research on the environment at UIUC. Proposals are due by June 1, 1997, and decisions will be made by August 15, 1997.

Applications should be submitted to: Donald J. Wuebbles, Director, Environmental Council, 1101 W. Peabody, Urbana, MC635.

Student News

The Benefits of Volunteerism

Lakshmi Yanamadala, NRES graduate student, was presented with the Cosmopolitan Club Service Award for her outstanding volunteer work and contributions within the club at their annual dinner, April 6, 1997. The purpose of the club is to gather students from all over the world and help them interact and learn about one another in a comfortable setting. Congratulations, Lakshmi, and keep up the good work.

Jane Bickelhaupt Honored

Jane Bickelhaupt, senior in agricultural communications, was recently honored at the 4-H House scholarship and faculty banquet for earning a 3.5 GPA during the fall 1996 semester. For the past year, Jane has worked in NRES communications and development, writing and editing the NRES newsletter and other in-house publications and brochures.

Jane has been active in 4-H house, the Hoof and Horn club, and still found time to help with the family farm in Mt. Carroll, known for its prize-winning Polled Herefords. Jane will graduate from ACES in May after earning high academic achievement and club honors.

Art Spomer Represents UIUC

Art Spomer, associate department head and professor of plant physiology, recently represented the U of I Agricultural Experiment Station at the 1997 NCR-101 regional committee on Controlled Environment Technology and Use meeting. The meeting was hosted at Cocco Beach, Florida by Kennedy Space Center Controlled Environment Life Support Systems. Spomer continues to collaborate with other committee members in developing recommendations and standards for making and reporting plant environmental measurements, adopted world wide by plant, animal, and engineering researchers.

Art Spomer is Top Blood Donor

Art Spomer was recognized as one of the top five all-time blood donors at the recent Community Blood Services of Illinois annual recognition and awards banquet

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Grants and Scholarships

Students Receive Travel Grants

Andrea Faber Taylor and **David Tungate** have each been awarded a $100 Graduate College Conference Travel Grant. Andrea will attend the Biennial Meeting Society for Research in Child Development in Washington, D.C., while David will travel to the American Society for Surface Mining and Reclamation conference in Austin, Texas. Congratulations to both students.

Students Receive JBT Fellowships

Four NRES students were recently chosen to receive a Jonathan Baldwin Turner Graduate Fellowship from the College of ACES for the fall 1997 semester. These prestigious awards were offered to **Jennifer Schultz**, **Joy Scogum**, **Karen Kopetz**, and **Kelley Rupp**. As of press time, Joy and Karen had accepted the fellowship. Congratulations to all, and best of luck in furthering your education.

Receives Scholarship

Matt Kregel, an ornamental horticulture major specializing in turf, was recently awarded a scholarship from Jacobsen/Textron Company. The scholarship entails a five-day, all expense-paid trip to the Jacobsen headquarters in Racine, Wisconsin on May 17-22. Matt will tour the manufacturing facilities and receive instruction on equipment operation, maintenance, and purchasing. Matt is currently the president of the GCSAA student chapter and treasurer of the Hort Club. Congratulations to Matt!

New Club Off and Rolling

On Thursday, April 24, the newly formed student chapter of the Golf Course Superintendents Association of America hosted a golf outing for current turfgrass students and alumni from the turfgrass program. Eighteen alumni returned to Champaign-Urbana and joined 11 of our current students for golf at Lincolnshire Fields Country Club in Champaign.

After the game, the group enjoyed a buffet dinner followed by a brief report on the status of the turf program from **Bruce Branham**, associate professor of turf. This event was used to build loyalty among the turf graduates and also to raise funds for a student scholarship.

Illini Foresters Plant Trees in Ogden

Members of the Illini Foresters club recently helped the people of Ogden plant 100 new trees in their community. Volunteers braved 40 mph wind gusts and a cold rain to replace trees that had been lost during last year's tornado. Club members who helped with this project were: **Stephanie Luehr, Sabrina McPhearson, Adrienne Oryhen, Bianca Rios, Phil Bergsrud,** and **Jessica Westin**.

Students Practice Landscaping at Coach's Home

Students in **Bill Sullivan's** Residential Scale Landscape Design class have been working with men's head basketball coach, Lon Kruger, and his wife, Barb, to develop detailed landscape designs for their new home. While the students will not be doing any actual labor to install the new landscape, they have gained valuable experience by working with a "real" client. Bill reports that "the Krugers were wonderful to work with, and that their site posed a significant challenge to the students."

Floral Crop Quality Evaluation Team Captures The Bronze

The University of Illinois placed third at the 56th National Intercollegiate Floral Crop Quality Evaluation and Design Competition held at Oklahoma State University, April 3-4, 1997. Eleven teams from universities across the United States competed in the contest. Illinois' team, coached by **Marvin Carbonneau**, consisted of **Beth Stebbins**, **Beth Smith**, **Vanessa Gage**, and **Rodney Eichen**. Beth Smith placed first in individual potted plant judging and third in the round/oval division of the design contest. Congratulations to all team members for their superior effort.

Car Pool Fees

Judy Allen-Davis reports that the car pool will charge a $25 fee for all late returns and a $25 fee for cancellations not reported within 24 hours of the designated pick-up time. In order to avoid these fees, you must return your vehicle on time *and* allow more than 24 hours notice to cancel your reserved vehicle.

Apologies to Lloyd and Nixon

The NRES newsletter staff apologizes to faculty members**John Lloyd**, CES specialist/urban integrated pest management, and **Phil Nixon**, CES specialist/ pesticide

applicator training, for incorrectly identifying them as affiliates in April's *NRES News*.

Award Presented in Israel

Professor Emeritus Frank J. Stevenson received the 1996 Wolf Prize in Agriculture by the President of Israel, Ezer Weizman, at the Knesset building in Jerusalem April 6, 1997.

Workout Tips

Many of us mean to exercise more and unclog our arteries but often we succumb to a good book and chocolate cake.

From reader Fred Elbel come workout hints for those whose bodies suffer from sedentary habits:

OCCUPATION:	CALORIES:
Beating around the bush	75
Jumping to conclusions	100
Climbing the walls	150
Throwing your weight around	50-300 (Depending on your height)
Digging in your heels	100
Pushing your luck	250
Making mountains out of molehills	500
Wading through paperwork	300
Jumping on the bandwagon	200
Passing the buck	25

--Reprinted from High Country News

Summer Help Needed

Bruce Branham, associate professor of turf, is looking for a student to work at the Landscape Horticulture Research Center this summer. The position will be full-time (at least 30 hours per week), depending upon the student's schedule. Responsibilities include field plot maintenance and assisting academic professionals, graduate students, and faculty. Contact Bruce at 333-7848 or e-mail at bbranham@uiuc.edu for further information.

Illini Foresters Host Spring Banquet

The Illini Foresters Club hosted its spring banquet at the Round Barn Steakhouse on Wednesday, April 30. The early

evening speaker was Eric Smith, and the after- dinner speaker was Vern LaGese.

Awards presented were:

Outstanding Freshman Award	Adriene Oryhon
Summer Camp Award	Philip Bergsrud
Outstanding Faculty Award	Richard Brazee
Toothless Saw Award	Poo Chow

Calendar of Events

May 6	College of ACES Retiree Reception, 3-5 p.m., Bevier Hall Cafeteria
May 17-18	Commencement Weekend
May 18	ACES Undergraduate Convocation; 9:30 a.m. Krannert Center
	ACES Graduate Programs Convocation; 10:00 a.m. Smith Music Hall
	Campus Commencement ceremony for ACES graduates; 2:00 p.m. Assembly Hall
	Tassel Turn Graduation Party, 11:30 a.m., corner Goodwin & Pennsylvania
May 21	Executive Committee meeting;
	9-11:00 a.m. 102 Animal Science Lab

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

NRES News online

Number 6, September 1997
University of Illinois at Urbana-Champaign

In this issue:

Upcoming Events
Scholarship Winners
Awards
Student News
Faculty News
Calendar

Finding Solutions to Environmental Challenges

Welcome back! Officially it's still summer, but every now and then I see a falling leaf as I walk across the UIUC campus. The approaching autumn reminds me that NRES is beginning its third academic year with 294 undergraduate and 129 graduate students. I look forward to meeting them at our Welcome Party on Sept. 5.

This past summer, I had the opportunity to write a "Perspectives" piece for the June 2 issue of FarmWeek. I called for the Illinois farming community to secure its place as an environmental leader, stressing that farming and environmental leadership are natural partners.

My main message, however, was that each of us must be involved in finding solutions to environmental challenges, whether in rural or urban life. It's equally important to meld our ecological values with economic, social, and cultural values. At stake are issues affecting our nations' food and fiber systems.

How does NRES fit into this picture? Our Department has the research and educational programs that enhance environmental stewardship. Our mission is to establish and implement these programs in the management and use of natural, agricultural and urban systems, and accomplish this in a socially responsible manner. With this in mind, we are proposing a new program in urban resource management that would integrate research, teaching and outreach in the urban environment. The program will bring together faculty with diverse expertise in soils, vegetation, wildlife, insects and disease, and social sciences.

When ACES Dean David L. Chicoine challenges us to "push forward the frontiers of knowledge," he speaks for many NRES programs. Our third year anniversary is an excellent time to

recommit to NRES goals by continuing our traditional strengths, maintaining our strong science base, and exploring these frontiers.

Sincerely,

Gary L. Rolfe, Head

Students' Night Out Sept. 5, 1997

C'mon down to Illini Grove on Friday and welcome back our students!
All NRES faculty, staff, and students are invited to enjoy brats, hamburgers, chips, and refreshments provided by the NRES Department on Friday, September 5, at Illini Grove, from 4-8 p.m. Members of the NRES Social Committee will grill food in the open, as we set aside time to welcome back students and meet our new students.

Illini Grove is located at the corner of Pennsylvania and Lincoln avenues. If you'd like to help with the festivities, contact Jim Lang, Social Committee chair: j-lang@uiuc.edu

NRES Will Recognize Scholars

The second annual NRES Scholarship Recognition Luncheon will take place at 11:30 a.m., September 11, 1997, with an opening reception in the Bevier Hall Spice Box.

NRES scholarship recipients (see item this newsletter), along with their advisors, will have the opportunity to meet with our NRES donors. **Gary L. Rolfe** and College of ACES administrators, including Dean David L. Chicoine, will join in honoring student achievement and the vision and commitment to scholarship by NRES donors.

Alumni Homecoming Reunion Oct. 25

Mark your calendars! NRES will sponsor its first annual Alumni Homecoming Reunion from 10:30 a.m.- 12:30 p.m (or two hours before kick off) on Saturday, October 25, 1997, in Plant Sciences Laboratory. Click here to register.

All NRES faculty, staff, students, and friends are invited to join our alumni and friends during Homecoming Week festivities.

Game time is tentatively set for 1:00 p.m., when the Fighting Illini will tackle the Purdue University Boilermakers.

Lunch will consist of pork chop and chicken sandwiches, side dishes, refreshments and dessert. Tickets for lunch are available at $5 each ($7 at the door) from Janet Alexander, W-503 Turner Hall, 4-7387.

For further information, or to help host this event, contact **Anita Povich**, communications and development specialist, at a-povich@uiuc.edu

Bob Skirvin Tapped For Usda Award

Bob Skirvin, professor of horticulture, is one of two North Central regional award recipients of the Department of Agriculture's National Award for Excellence in College and University Teaching in the Food and Agricultural Sciences.

This prestigious award is only given to two people in each of the four regions. Bob was nominated for the award due to his innovation in the classroom, commitment to students, and leadership skills demonstrated as advisor of the Horticulture Club. Bob will receive his award at the annual meeting of the National Association of State Universities and Land- Grant Colleges in Washington, D.C. in November.

In further recognition of Bob's work, his research on the thornless blackberry bush, which took 17 years to develop, was featured in "Science Year 1998," T*he World Book Annual Science Supplement*. Congratulations, Bob!

Environmental Convocation Oct. 17

The U of I Environmental Convocation, a one-day event devoted to student presentations on their research, will explore "Environmental Policy and American Agriculture" on Friday, Oct. 17, 1977, beginning at 8:00 a.m. on the UI- Springfield campus.

Convocation co-chairs, Dr. Steve Becker and Dr. Gary L. Rolfe, stress the opportunity to explore the interrelationship between the environment and agriculture at this one-day event. Students are invited to present papers or poster presentations.

In addition to NRES, other co-sponsors are Illinois State agencies, other Illinois universities, the UIS Environmental Studies Program and the Institute for Public Affairs, and the UIUC Environmental Council.

Advance registration is $25, which includes lunch, refreshments, and access to the entire program, including a keynote speaker and two panels. After September 15, registration is $35. Student

registration is $12.

For further information, contact Janet Alexander, 4-3787, or write alexandj@uiuc.edu

Science Summit

The Illinois Council on Food and Agriculture Research (C-FAR) invites all past and current C-FAR grant holders to report on their projects at the C-FAR Science Summit to be held September 9, 1997, 9:30 a.m. to 3:30 p.m. at the Radisson Suite Hotel, Champaign, IL. Contact the C-FAR Liaison Office for more information.

Turfgrass Field Day a Success

After a threat of rain, the skies cleared and 320 horticultural professionals took to the field for the 1997 University of Illinois Turfgrass, Nursery, Landscape and Trial Garden Field Day, August 20, 1997 at the Landscape Horticulture Research Center in Urbana.

More than thirty NRES faculty and staff accomplished their objective of providing up-to-date information and education to professional turfgrass, nursery, landscape, and garden center personne l during the day's activities.

Participants had an opportunity to visit thirteen areas displaying turfgrass, nursery, entomological, and landscape research. Along with viewing current horticultural research, registrants visited with U of I horticulturists, educators, plant pathologists, and entomologists. During these informal meetings, research was discussed, questions were answered and plant problems were diagnosed.

New at this year's event were the trade show and equipment demonstration. Nineteen vendors displayed their wares from 8:30 until 9:45 a.m. and again from 12:00 noon until 2:30 p.m.

Plans for the 1998 event (scheduled for August 19) are currently being planned by the NRES turf group, **Bruce Branham, Tom Fermanian, Tom Voigt, and Hank Wilkinson**. They welcome your suggestions.

NRES Family Day October 11

All aboard! If you enjoyed riding the train last year with colleagues and their families, mark your calendars for Saturday, October 11, 1997. Everyone's invited to the second annual NRES Family Day, beginning with a train ride at the Monticello Railway

Museum at 11:00 a.m. and a 1:00 p.m. picnic at the Piatt County Forest Preserve Park. Stay tuned for more details.

The Insects Are Everywhere!

Mark your calendars and plan to attend the 3rd annual Insect Expo, September 26-27, 1997, in the UI Stock Pavilion. Sponsored by the U of I and the Illinois Natural History Survey, the Expo will feature Dan Capps and his exotic insects, live insects in a petting zoo, educational displays, a theater, a quiz bowl competition and much more. Admission is free. For more information, call 244- 5047 or 333-7512.

1997 Farm Progress Show Sept. 23-25

The 1997 Farm Progress Show will be held September 23-25 in Seneca, Illinois. The College of ACES will have a strong presence again this year and looks forward to terrific volunteer support from faculty and staff. Mark your calendars and plan to attend this important College outreach program which educates more than 110,000 visitors.

Dawson Plans Frankia And Actinorhizal Plant Conference

Make plans now to attend the Eleventh International Conference on Frankia and Actinorhizal Plants to be held June 7-11, 1998 on the campus of the University of Illinois at Urbana-Champaign. In order to receive a registration form in December, and to assist in the planning process, please contact Jeff Dawson, professor, tree physiology, for a preregistration form.

Smith to Begin Leadership Program

Congratulations to Mary Ann Lila Smith for being selected as a participant in Class 7 of the ESCOP/ACOP Leadership Development Program. The Phase I Work- shop will be held in Indianapolis, Indiana Sept. 13-19.

How About Those 4-h Foresters

Illinois 4-H Forestry Judging Team came in fifth in the 18th National 4-H Forestry Invitational (Judging Contest) held the first week of August at Jackson's Mill State 4-H Camp in Weston, WV. Congratulations to members of the team and their coach Dave Shiley. The Department of NRES sponsored this team.

Graduation Weekend a Success

If you were part of the festivities, you know that commencement

weekend for the class of 1997 was a success. For the second consecutive year, the ACES undergraduate convocation was held in the Krannert Center Great Hall and the Graduate Student Convocation in Smith Music Hall.

There were 332 students, 1,725 guests and 41 faculty participating in the undergraduate ceremony. Fifty-five M.S. degree candidates, 38 Ph.D. candidates, 700 guests, and 42 faculty took part in the graduate convocation. The Tassel Turn Luncheon was another big hit this year as 630 graduates, family members, friends and faculty gathered for a light lunch. If you have any suggestions for next year's events, please contact Chuck Olson, assistant dean, College of ACES, at 244-4540.

Khan Becomes American Citizen

Congratulations to **Saeed Ahmad Khan**, postdoctoral research associate, who became an American citizen this past month.

Smith Lectures in China

Mary Ann Lila Smith journeyed to China this summer, where she presented lectures at the Chinese Botanical Institute, Biotechnology Research Institute of Yunnan Academy of Agricultural Sciences, and Agriculture Biotechnology Laboratory of Yunnan Province August 3-12, 1997. While there, she visited a huge commercial facility for tissue culture generation of floral crop plants and ex vitro rooting and acclimatization for the wholesale market.

Scholarships Awarded to Nres Undergraduates

The following NRES undergraduates received departmental scholarships for the 1997-98 academic year. Congratulations to all recipients, and good luck in your academic careers.

James A. and Betty Stewart Award in Urban Forestry	Holly S. Schreiber
Sinnissippi Forest Award in Forest Management	Jessica L. Westin
Charles S. Walters Award in Forest Products	James A. Cieciwa
Forestry Faculty Merit Award	Erin E. Keogh
Illinois Garden Club Award	Andrew J. Zimmerman
Illinois Garden Club Award	Kathryn M. Sadowski
Illinois Garden Club Award	Jessica E. Fehrenbacher
Illinois Nurseryman's Association Award	Mollie A. Giffin
Richard and Emily Pryor Award in Horticulture	Kathryn M. Dieter
Orville and Freda Waddell Memorial Award	Julie R. Goetting
Earl Dean Bork Horticulture Award	Russell M. Maulding
G. Victor Ball Award	Vanessa C. Gage
Karl and Frances Helfrich Award	Nancy M. Holda

Grace Bickelhaupt Memorial Award	Jill E. Van Dyne
Lyon W. Hartman Award	Heather E. Kraujalis
Ivan J. Jansen Memorial Award	Karen P. Brook
JBT Undergraduate Research Award	Brian Mores
JBT Scholarship	Brian Mores
JBT Undergraduate Research Award	Andy Zimmerman
JBT Scholarship	Andy Zimmerman
JBT Undergraduate Research Award	Vanessa Gage
JBT Scholarship	Vanessa Gage
JBT Graduate Fellowship	Leslie M. Heffron
JBT Graduate Fellowship	Bethany Looney
JBT Graduate Fellowship	Patrick James Schmalz

Zaborski Presents Poster

Ed Zaborski, adjunct assistant professor and soil invertebrate ecologist, presented a poster, "Soil Mite Assemblages in Transitional Corn-Soybean Agroecosystems with Fertilizer, Manure and Cover Crop Residues as the Primary Nitrogen Source," at the biennial meeting of the Soil Ecology Society in Manhattan, KS, May 27-30. He also participated in a concurrent meeting of the USDA's NCR-59 Technical Committee on soil quality issues.

Maggie Alario Addresses Environmental Agendas

Maggie Alario, assistant professor of environmental sociology, presented several papers recently at international workshops. At the World Congress of Sociology, she delivered a paper entitled, "Political risks, environmental policy, and strategy dilemmas," to the International Institute of Sociology. The Congress took place at the University of Cologne, Germany, July 7-11, 1997.

August 8-13, 1997, Dr. Alario attended the American Sociological Association Conference in Toronto, where her presentation was "Ecosystem restoration, environmental controversies and democratic participation."

In May, she attended the Sixth Annual International Conference of the Global Awareness Society on Globalization, Technology and Cultural Change in Montreal. While at the conference, she also chaired a session on Global Environmental Concerns and presented a paper on "Environmental Risks, Deliberative Democracy and Environmental Policy."

John Andresen Dedicates Museum

John Andresen, professor of urban forestry, dedicated the Octave Chanute Aerospace Museum's Hall of World War II Allied

Airmen's Escape and Evasion Organization on June 6, 1997. The Hall memorializes over 2,000 air force survivors who were fortunate to escape and evade Hitler's Wehrmacht from 1940-1945. The Hall features memorabilia related to the Royal Air Force Escaping Society, the RAF ES/Canadian Branch, the Air Forces Escape and Evasion Society, Slovenian Partisan heroism, and awards and decorations related to WWII.

Bill Shoemaker Featured on "Your Green Thumb"

Bill Shoemaker, senior research specialist, food crops, and superintendant, St. Charles Horticulture Research Center, will be featured on four upcoming segments of "Your Green Thumb." The popular show appears on Channel Earth, channel 238, on Direct TV.

Each segment consists of 8-10 minute features. So far, Bill has been taped discussing melons, HiTunnel growing systems (a hybrid between a greenhouse and row tunnel that accelerates plant growth); chili peppers (any pepper that when you bite it, it bites back!); and pumpkins, scheduled for fall.

Channel Earth is available only on Direct TV and serves a rural audience. Its focus is small-acreage growers.

Nevling Named Interim Director

Lorin Nevling has been named the Interim Director of the University Arboretum. His appointment follows the advice of the newly constituted Arboretum Board of Directors, chaired by David Chicoine, dean, College of ACES. The board sought a nationally recognized leader who could assist them with a review of the Arboretum's mission and refinement of a program statement to guide the Arboretum in its future developments. Dr. Nevling will also chair the management committee responsible for day-to-day operation of the Arboretum. A search for a permanent director is planned this fall after the board has completed the program statement and reviewed the mission.

Walt Splittstoesser Retires

A potluck luncheon was in held in honor of **Walter Splittstoesser**, who is retiring after 32 years as professor of vegetable crops from the Department of NRES. A large group of retired faculty and staff honored Walt at a luncheon on Monday, August 25, 1997. Emcee Art Spomer presented Walt with gifts from the guests, luggage and a gift certificate for cigars. Walt and his wife, Shirley, plan to travel and spend time with family.

Arlene Says Aloha to NRES

After a 41-year association with the University of Illinois, Arlene Wakefield spent her last working day as NRES Program Administrative Assistant on Wednesday, August 20, 1997. Arlene's career at UIUC was spent almost entirely in the former Department of Horticulture and most recently in NRES. An avid proofreader and outstanding secretary, Arlene plans to continue her volunteer activities in the Champaign- Urbana area. We will miss Arlene, especially at press time for *NRES News*.

International Interns

Five Latin American scientists from Honduras interned with the Illinois Natural History Survey this summer. During their stay they attended a reception hosted by the Purdue University International Agricultural Programs Office in West Lafayette, Indiana. **Rob Wiedenmann**, assistant professor of biological control, accompanied the interns on their trip. The Board of Trustees from the Pan American School of Agriculture (Zamorano) in Honduras were also in attendance. INHS reaped many benefits from the scientific expertise of the interns and continues to be proud of the good will created by the collaboration with Zamorano.

Regenerative Agriculture For The 21st Century

The Rodale Institute announces the opportunity for interested individuals and institutions to participate in the first of its Natural Resource Management Training Series, "Regenerative Agriculture for the 21st Century" on October 28-31, 1997.

The purpose of this training is to familiarize emerging professionals in the fields of agriculture, international and community development, and natural resource management with concepts of regenerative agriculture technologies that recognize the interdependency between agriculture, human health and environmental responsibility.

Cost of the four-day training seminar is $915.00. Price includes registration, entrance to all workshop activities, materials, lunch each day, and reception. For more information on the training seminar and how to register, please contact Jane Fisher at: Rodale Institute, 611 Siegfriedale Road, Kutztown, PA 19530, Phone: (610) 683-1428, Fax: (610) 683-8548, Email: jfishe@rodaleinst.org

Outstanding NRES Teachers

An incomplete list of "Teachers Ranked as Excellent" appeared in the June edition of NRES News. The list of teachers ranked as excellent in NRES is as follows: **Robert Darmody, Jeff Dawson,**

John Edgington, Rhonda Ferree, Dianne Noland, Jim Schmidt, Bob Skirvin, Mary Ann Lila Smith, Walt Splittstoesser, Art Spomer and Bill Sullivan. Congratulations to these outstanding and dedicated teachers, and a special "thank-you" to Art Spomer for calling this to our attention.

NRES Newsmakers on The Move

NRES faculty members and affiliates were well represented in the newspapers this summer. Gary L. Rolfe, department head, Dick Warner, associate professor of natural resource ecology, wildlife ecology and agroecology, and Karyn McDermaid, research specialist in agriculture, forest policy, were featured in an article entitled, "New Strategy to Manage Raging Rivers Offered," in the May 30, 1997, edition of the Illinois Agrinews. The article discussed a survey that was done in Illinois counties affected by the flood of 1993 to see if an ecosystem management approach was viable. The survey showed that "while most people fail to link environmental problems with their own land management practices, they do seem to want to do what is 'right' for the environment."

Bill Shoemaker, St. Charles research specialist for NRES, was quoted in an article in the July 13, 1997, edition of the Chicago Tribune. The article centered around the positive influence the "almost picture- perfect" weather has played on plants this growing season.

David Kovacic, associate professor of landscape ecology, was featured in the July 11 edition of the Illinois Agrinews and the July 13 edition of the Champaign-Urbana News-Gazette in articles that describe the wetlands project that he and other researchers are working on. The wetlands were built so the scientists could research the wetland's abilities to reduce nitrates and phosphorus and other agricultural chemicals from agricultural drainage water. The group hopes to put together a "recipe" farmers can use to construct wetlands on their own land. Other researchers involved with this project include Mark David, professor of forest soils, Lowell Gentry, research specialist, and Richard Cooke, assistant professor of soil and water in agricultural engineering.

Bill Simmons, professor of soil science, was also featured in the July 11 edition of the Illinois Agrinews in an article that gives advice to farmers on how to manage a cover crop system.

A recent issue of the Champaign-Urbana News- Gazette featured Dick Warner, associate professor of natural resource ecology, wildlife ecology and ag ecology, and a team of students who are tracking the behavior of foxes, coyotes and rabbits. Students

involved with the project include Todd Gosselink, Rebecca Crawford and Debbie Jensen. The focus of the study is to show how rural, suburban and urban areas can work together to help wildlife.

Entomologists Joseph Spencer and Eli Levine were quoted in the August 1 edition of the Illinois Agrinews in an article discussing how the behavior of rootworm beetles can threaten crop rotation. Entomologist Lee Solter also appeared in an article in that same edition that talked about her trip to Bulgaria in which she studied pathogens that evolved with the gypsy moth in its natural habitat. These pathogens are now being found in the gypsy moth pathogens in the United States.

Ted Peck, professor of soil chemistry, was featured in an article in the August 24, 1997, edition of the News Gazette, "UI's Self-Appointed Keeper of the Dirt." The feature relates Ted's work as keeper of the U of I's collection of 3,000 jars of soil samples, some from overseas, dating back to the 19th century. The article also highlights Ted's work in compiling research on the Morrow Plots and his annuals of soil history.

Kudos to Gary Beaumont, NRES media contact, ACES Information Technology and Communication Services unit, for his leadership in presenting NRES activities to the media.

ACES/NCSA Partnership Update

The ACES/NCSA partnership positions the University of Illinois to lead the food and agriculture sector into the information age. Both units are in a new and revitalized state and are growing in capability. Its main goal is to capitalize on this situation to make valuable contributions to the welfare of participants in the sector, including consumers of agricultural products and services.

The following people are serving as coordinators for the ACES/NCSA relationship.

Overall coordinator: Bruce Hannon, professor of ecological and economic modeling, jubilee professor of liberal arts and sciences, geography, and holds an appointment in NCSA. In late July, Bruce conducted a dynamic modeling workshop, which is now fully subscribed. Bruce is also coordinating the dynamic modeling subgroup and is organizing a seminar series for the fall, in which ACES faculty and NCSA scientists will share experiences and expertise on topics of mutual interest. This is to help each group become more aware of the interests and capabilities of the other.

Subgroup coordinator of precision agriculture/ geographical

information systems/machine vision/ spatially referenced data: John Reid, associate professor of agricultural engineering.

Subgroup coordinator for bioinformatics/genome science: Harris Lewin, professor of animal sciences and director, University of Illinois biotechnology center.

Subgroup coordinator for distance education/ asynchronous learning/connectivity: John Schmitz, assistant professor of vocational and technical education.

Please contact these coordinators to express an interest in their respective subject areas, or to express general ideas concerning new ACES/NCSA initiatives.

Natural Enemies of Insects

Not all the critters in your garden and yard are bad guys. The newest creation from the Illinois Natural History Survey helps you tell the difference between garden insect pests and beneficial insect enemies that actually eat the pests. Now when you encounter the good guys, you'll keep them alive so they can help keep the bad guys at bay without the use of toxic chemicals.

"The Good Guys! Natural Enemies of Insects," by Mike Jeffords, associate professor of insect behavior and ecology, Susan Post, research specialist in agriculture, insect vectores of plant pathogens, and education outreach, Robert Wiedenmann, assistant professor biological control, and C. S. Sadof, is an easy-to-use guide of natural enemies of insect pests. It consists of 31 plastic laminated cards (about the size of baseball cards) that withstand dirt and moisture. They provide full color photos of beneficial natural enemies on the front side and a concise and accurate description of the organism's natural history on the reverse side. To order a set of cards, send a check or money order for $8.00 ($7.00 plus $1.00 shipping) to:
Distribution Office, Illinois Natural History Survey, 607 E. Peabody Drive, Champaign, IL 61820, (217) 333-6880. Make checks payable to: Illinois Natural History Survey.

G. Victor 'Vic' Ball's Death a Loss to Illinois Horticulture

G. Victor 'Vic' Ball ('36), NRES alumnus, scholarship donor, and ambassador for Illinois horticulture, died August 10, 1997. With his wife, Margaret Ball, who survives, he endowed a nationally competitive internship program received by several NRES undergraduates. Vic was the oldest surviving member of the family that founded the corporation that encompassed Ball Seed Company, PanAmerican Seed Company, Pan-American Plant Company, and many other seed and plant breeding facilities

around the world. Vic wrote for *GrowerTalks* magazine, founded by his father, George J. Ball.

His contributions to the industry are numerous and worldwide. Vic shared his expertise with growers throughout the world. His commitment to education attracted many students to the floriculture industry over the years.

Contributions in memory of Vic Ball may be made to the Victor and Margaret Ball Internship Scholarship, c/o American Floral Endowment, 11 Glen-Ed Professional Park, Glen Carbon, IL 62034, (618)692- 0045; or to your favorite charity. Cards may be sent to Margaret D. Ball at P.O. Box 396, 34W226 Country Club Road, Wayne, IL 60184

Publications

Andresen, John W., ed. 1996. United States Department of Defense Urban Forestry Manual. 100 pages. Internet address: http://denix.cecer.army/mil/denix/Public/ Library/ Forestry/forestry.html

Fermanian, Thomas W., Malcolm C. Shurtleff, Roscoe Randell, Henry T. Wilkinson, Philip L. Nixon. 1997. Controlling Turfgrass Pests.

Bell, R.L., H.A. Quamme, R.E.C. Layne, and **R.M. Skirvin**. 1996. pp 441-514. In Janick, J. and J.N. Moore (eds.). Fruit Breeding, Volume 1: Tree and Tropical Fruits. John Wiley and Sons, Inc. (This is a book chapter.)

Sarwar, M. and **R.M. Skirvin**. 1997. Effect of thidiazuron and 6-benzylaminopurine on adventitious shoot regeneration from leaves of three strains of 'McIntosh' apple (Malus X domestica Borkh.) in vitro. Scientia Horticulturae 68:95-100. (This is a refereed journal article.)

Register Now for Nres Alumni Homecoming Reunion Oct. 25

If you want to attend the 1997 NRES Alumni Homecoming Reunion on October 25, 1997, please take a moment to fill out your reservation now.

Return to:
Janet Alexander, W503 Turner Hall, 1102 S. Goodwin Avenue, Urbana, IL 61801 or MC047.

If you have questions or need additional information, please call 217/333-2770.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Home Phone: _(_____)_____

Year of Graduation: _____

No. of tickets (@ $5.00 each): _____ x $5.00 each = _____

Total enclosed: _____

Please return this form by October 1, 1997.

Tickets will be available at the door for $7 each.

Calendar of Events

Sept. 1	Labor Day, all campus holiday
Sept. 2	Classes start
Sept. 5	NRES New Student Welcome Night, 4-8 p.m., Illini Grove
Sept. 6	ACES Tent Party with Illinois Pork Producers Association and Fighting Illini Pork Club, prior to 6 p.m. football game
Sept. 8	NRES Faculty Meeting, 10-12 noon, EASB Auditorium
Sept. 9	C-FAR Science Summit, 9:30a.m.- 3:30 p.m., Radisson Suite Hotel, Champaign
Sept. 11	NRES Scholarship Recognition Luncheon
Sept. 19	ACES Presidents Council Reception
Sept. 22	ACES New Student Welcome Night, Festival Theater, Krannert Center for the Performing Arts
Sept. 23-25	Farm Progress Show, Seneca, Illinois
Sept. 26-27	Insect Expo
Sept. 29-Oct. 1	CES Annual Conference
October 4	ACES Alumni Association Tent Party
October 11	NRES Faculty Picnic, Monticello Railway Museum and Piatt County Forest Preserve Park
October 17	Environmental Convocation, University of Illinois at Springfield
October 25	NRES First Annual Alumni Homecoming

	Reunion, 10:30 a.m., PSL
October 28	National Resource Management Training Series, "Regenerative Agriculture for the 21st Century"
November 8	4-H Day

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Number 8, October 1997
University of Illinois at Urbana-Champaign

In this issue:

Upcoming Events
Faculty News
Student News
New Faces
Family Day
Faculty Travels
New Courses
Calendar
Publications

"These trees shall be my books."

– William Shakespeare

NRES FAMILY DAY, OCTOBER 11

All Aboard! Now departing, the Monticello Cannonball, bound for Monticello from Nelson's Crossing Depot.

A special round trip train ride for NRES Faculty, Staff and their families is planned for October 11th departing at 11:00 a.m. A picnic lunch will follow at the Piatt County Forest Preserve at 1:00 p.m. No need to bring anything except yourselves. Although, we do need to have your reservations in by Wednesday, October 1st for the Monticello Railway Museum personnel to stamp enough tickets, and also to plan for the picnic (brats, burgers, chops).

Please arrive early enough for ticketing (10:00 to 10:30 would do). There are display cars at Nelson's Crossing, and train displays at Camp Creek Yard to the west of the depot to visit if you arrive early enough.

Just take I-72 west to Monticello exit 166 (Market Street, Hwy 105) and drive straight to the railway museum. Allow for about a thirty minute drive from Champaign-Urbana. Ticketing and parking are at the Nelson's Crossing Depot. The round trip ride will begin from there as well. Don't miss the train!! If you have any questions, please call **Jim Lang** at 333-9473, e-mail: j-lang@uiuc.edu

NICHOLAIDES IN ARMENIA

John Nicholaides served as the University Collaboration Specialist on a four-person review team of the USDA Agricultural Marketing Project in Armenia from May 22-June 7. This project has a large extension focus and two of the other team members were the former Directors of Extension in Kentucky and Minnesota. Paul Elgatian of the Illinois CES office in the Quad-Cities served a six month assignment on the project. Mary Lou Carlson of the Illinois CES currently is on assignment with this project in Armenia.

NICHOLAIDES IN ISRAEL

John Nicholaides and his wife, Gwynne, led seven students from the member universities of the International Arid Lands Consortium on a Pre-Peace Fellows Research Tour of collaborative US and Israeli agricultural and environmental research in Israel from June 12 to July 1. The students were selected from those nominated by their universities and included three winners from the University of Illinois. These were **Cara Saunders**, NRES advisee of **Mike Irwin**; **Nancy Milanesio**, who works in **Evan DeLucia's** lab; and **Rachel Hedges**, who was in Nicholaides' ACES 100 discussion section this past fall. Those selected for the tour won Pre-Peace Fellowships of approximately $3,500. The Peace Fellowships carried an additional award of $4,000. Awards covered travel and living expenses. The program was conceived by Nicholaides and was funded by a grant of $100,000 from Dwayne Andreas via the Archer Daniels Midland Foundation.

FARM PROGRESS SHOW

Mike Bolin, **Jim Schmidt**, and their committee set up and manned the NRES display at the Farm Progress Show at Seneca, Illinois September 22-25, 1997. A record crowd attended this year's farm show midst rain and mud.

BROWN TO RUSSIA

Sandra Brown will be a speaker at a day-long seminar "Strengthening the Russian Economy through Climate Change Policies" sponsored by UNEP, IEA, and OECD in Moscow, Russia on October 14. She will talk about "Management policies for mitigation of carbon emissions in the forestry and agricultural sectors of Russia."

KUSHAD RECEIVES RECOGNITION

Mosbah Kushad received a Certificate of Appreciation from the Illinois State Horticultural Society for his outstanding service to the fruit and vegetable industries and for organizing the first Safe

Cider Certification program in the country. More than 90% of the Illinois cider makers and cider makers from four other states were trained on how to prevent E.coli and other deadly pathogens from contaminating cider.

GLOBAL CLIMATE WORKSHOP

Sandra Brown participated in an international "Biotic C offsets" workshop in Baltimore, MD, September 5-7. The workshop discussed the ability of forestry and other land-use projects to help address concerns over potential global climate change. The workshop was held to highlight the value of forestry offset projects as cost-effective options available to nations facing emissions reduction mandates under U.N. Framework Convention on Climate Change.

LARSON NOVEL CHOSEN

A 400-page novel by **Richard A. Larson**, "Degrees of Freedom," has been chosen by Carl Djerassi of Stanford University as recommended reading for his undergraduate course on "science-in-fiction." Dr. Djerassi is an award-winning organic chemist who has also published several works of fiction, including "Cantor's Dilemma." An excerpt from Dr. Larson's book can be seen at www.staff.uiuc.edu/~ ralarson/home.html

MASIUNAS TO WASHINGTON, D.C.

John Masiunas traveled to Washington, D.C. on August 24-26 to serve on a proposal review panel for U.S.D.A. Pesticide Alternatives Program.

He also reported that he was elected advisor for the Student Advancement Committee and attended their retreat on August 29.

CHOW INVITED TO WASHINGTON

Poo Chow was invited to serve as a member of the review panel for Rural of America Program, CSREES, USDA in Washington, D.C. on September 18-20.

COLORADO MEETING

John Nicholaides, as Board Member, and **Jeff Dawson**, as Chair of the Research and Demonstration Advisory Committee, participated in the meetings of the Board of Directors of the International Arid Lands Consortium in Keystone, Colorado.

CHOW PRESENTS PAPERS

Poo Chow presented papers in the following conferences: 1) The Third Biomass Conference of the Americas, Montreal, Quebec, Canada on August 29, 1997; 2) Plastic Lumber Association annual meeting held in Philadelphia on July 17.

RECOGNITION TO MASIUNAS

John Masiunas received a Citation of Appreciation for his services to the American Society for Horticultural Sciences as an Associate Editor of Hort Technology.

PRESIDENT'S HOME DECORATED

Students in the floral design courses, NRES 246 and 247, taught by Dianne Noland, were invited to be guest floral designers to beautify the President's House. Mrs. Stukel graciously gave the class a tour of the home on September 9. Each student in class will be designing one arrangement a semester to be placed on display at the President's House. A card noting the student's name, major, year in school, hometown, and flowers used will accompany the design.

VISITOR HERE FROM CHINA

Poo Chow has been working with a visitor from China. Dr. Wenda Lu, Professor and Head of Wood Science Program, College of Forest Products, Northeast Forestry University, Harbin, China, is spending six months of his sabbatical leave to conduct wood research in Poo's lab. Dr. Lu is specialized in wood chemistry, biology, and anatomy.

Dr. Lu will give a NRES seminar on October 27, 1997. A general subject on forestry and natural resources in China will be discussed.

AUTHORS CHOSEN

Dianne Noland and **Marvin Carbonneau** were two of 14 authors chosen to chronicle the history of the floral industry in a 350-page collector's edition book, "A Centennial History of the American Florist," published by Florists' Review, Topeka, Kansas in 1997. This hardbound book is filled with over 1000 photos and illustrations and is being introduced for the first time in late September at the Society of American Florists annual convention in California.

CONSERVATION CONGRESS

As a member of Conservation Congress' Executive Committee, **Gary L. Rolfe** spent last weekend in Springfield attending the

third annual Congress. Also attending from NRES were **Deborah Cavanaugh-Grant**, research specialist, representing the Illinois Chapter Soil and Water Conservation Society, and **Phil Mankin**, wildlife ecologist, representing the Illinois Chapter of Wildlife Society. Conservation Congress usually begins Thursday evening and meets through Sunday morning, when they vote on issues. Gary was reelected to the Executive Committee for the third time, so he'll serve another year as an elected delegate.

ENVIRONMENTAL CONVOCATION

NRES will be co-sponsoring the University of Illinois Environmental Convocation on Friday, October 17, 1997. This is a one-day meeting to be held in the Conference Center of the Public Affairs Center at the University of Illinois at Springfield. Students will have the opportunity to present research results addressing a broad range of agricultural policy issues related to the environment. The theme will be Environmental Policy and American Agriculture. Topics to be addressed include: sustaining production potential for agricultural commodities, while maintaining biological diversity; resource quality--land, air and water; resource sustainability; and agriculture as a good neighbor. Come to the convocation and learn about the latest policy issues relating to agriculture and the environment while hearing from national leaders in this area.

FLY-CATCHING EXPEDITION TO CHILE AND ARGENTINA

The PEET/Therevidae project is sponsoring an expedition to Chile and Argentina to collect specimens of stilleto flies. The expedition will focus on four major areas of fly ratiation: north central Chile, central Chile, south central Chile, and the monte region of northwestern Argentina. The expedition is to last almost two months. **Mike Irwin**, professor of entomology, will be leading this expedition, and various collaborators and PIs will join in at various times during the expedition.

The second annual PEET/Therevidae meeting and workshop took place September 21-23, 1997. This event gathers together PIs and collaborators from around the world to discuss the grant, its accomplishments and coming year objectives. The grant is funded by NSF and the Schlinger Foundation to make known the stiletto flies of the world. This activity combines taxonomy of this poorly known group of flies, teaching the next generation of systematists, and the use of modern electronic technology to assemble and disseminate knowledge about the group. PIs David Yeates from the University of Queensland, Australia, and Brian Wiegmann from the North Carolina State University joined the discussions. The president of the Schlinger Foundation was there to observe the progress.

LLOYD TO OHIO

John Lloyd, extension specialist integrated pest management, has left NRES. His new address is:

Department of Entomology
Ohio State University - OARDC
1680 Madison Avenue
Wooster, Ohio 44691
330-263-3725

ENDRESS MOVES

Tony Endress, professor, has moved from 259 ERML to 36 EASB. His phone number remains the same.

KORBAN IN BELGIUM

Schuyler S. Korban, professor of plant genetics, spent a month at Kul, Belgium, as a visiting professor this past summer, and also visited research centers in Belgium and the Netherlands. He was recently appointed as the UIUC-INRA (France) Liaison Officer following the official signing of a Memo-Memorandum of Agreement between the two institutions for exchange and collaboration among scientists.

KORBAN LAB NEWS

Tae-seok Ko, postdoctorate research associate, attended the Annual Plant Physiology Meetings in Vancouver, Canada, and presented a scientific research paper.

Ethan Strauss, postdoctorate research associate, attended the National Plant Lipid Cooperative Meetings in South Lake Tahoe, CA, and presented a scientific research paper. Ethan has recently accepted a position at Promega Scientific in Madison, Wisconsin, and has left the lab. Good luck to Ethan.

Sergei Krasnyanski, postdoctorate research associate, attended the Sixth Annual Retreat for Functional Foods for Health in Lake Bluff, Illinois.

Ming Lin, who spent three months as a visiting scientist from Beijing, China will continue to work in the lab as a postdoctorate research associate in molecular biology.

Alexandre do Amaral has recently joined Dr. Korban's lab as a visiting scholar for one year. He will be working in the area of plant biotechnology.

NEW COURSE FOR SPRING

George Gertner and **David Onstad** will be offering a new course, Ecological Modeling for Natural Resource Analysis, for the first time during spring 1998 and would like to encourage seniors and graduate students in NRES to consider enrolling in the course next semester. The course covers systems ecology and ecological modeling and offers students an opportunity to bring together all the knowledge learned over the years about a particular kind of ecological system to describe, explain, and predict the system's dynamics. Two easy-to-use software packages, Mathematica and Stella, will be used to develop and analyze the models in the course. Please contact David if you need more information.

TRADESHOW AND CONFERENCE

The National Marketplace for the Environment (NME) Trade Show and Conference has been scheduled for November 18-20, 1997 at the Washington Convention Center in Washington, D.C. This event will focus on marketing environmentally-friendly products, technologies, and services to federal, state, and local governments, key segments of the private sector, and potential buyers from around the world. The target audience includes members of Congress and staff; key federal, state, and local leaders; environmental and procurement officers; and university and industry representatives. Vice-President Gore has been invited to give a speech and perform a ribbon cutting to officially open the trade show. For more information, contact Carmela Bailey, National Program Leader for Agricultural Materials at cbailey@reeusda.gov

C-FAR GRANT AWARDED

A team studying the energy efficiency and sustainability of central Illinois farms was recently awarded funds by C-FAR and the Office of Research SRI. The multidisciplinary team consists of **David Onstad**, leader, **Deborah Cavanaugh-Grant**, Bob Herendeen, Alex Winter-Nelson, **Ed Zaborski,** Gary Letterly, **Ed Ballard,** Todd Wildermuth, and Michael Murphy.

MIHUC ATTENDS CONFERENCES

Tim Mihuc attended the Ecological Society of America annual meeting and participated in a special workshop on data networking at field sites throughout the nation. He also attended a special session on Managed Flooding co-organized by R.E. Sparks.

Tim also attended the annual meeting for the Organization of

Biological Field Stations on September 18-22. The meeting was excellent and he made many contacts and obtained ideas for development of the Great Rivers Field Station facility at Pere Marquette State Park.

ECOLOGY COURSES

The Ecology Courses Committee chaired by **David Onstad** was formed late last spring to organize and plan sets and sequences of ecology courses of interest to NRES students and others outside the department. David is currently scheduling the third meeting (1st this semester) during which the group will continue discussions about ecology courses in NRES and the university. If you are teaching an ecology course and have not submitted data on it to David, please contact him at onstad@uiuc.edu.

LIBRARY FORUMS

Maria Porta, Agriculture Library, associate professor, encourages all faculty in the College of ACES to attend the library forums. The forums will include discussions on what decisions will be made in the future to ensure continuing and stable financial support for the UIUC library. Arts and Humanities meets Oct. 8, 3:00-5:00, 3rd floor of Levis Center and a general meeting will be held on Oct. 9, 3:00-5:00, 3rd floor Levis Center.

NEW FACES

Trina Simpson began her new duties as permanent full-time receptionist for the NRES Administrative offices on Monday, September 29. She will be working 8:30-5:00 Monday through Friday. Stop by and welcome her.

Margaret Goodwin will be working as a permanent part-time secretary in the business office. She has been working as extra help since October 1996. She will be in the business office on Monday, Tuesday, and Wednesday from 8:30-5:00. You may reach her at magoodwi@uiuc.edu

Ray Sanden will be working as a permanent part-time account tech II in the business office. He will be working Wednesday, Thursday, and Friday, 8:30-5:00. You can reach Ray at r-sanden@uiuc.edu

RESEARCH ADMINISTRATORS

Sherla Carpenter attended the Illinois Council of University Research Administrators annual meeting on September 18-19 in Springfield. Participants discussed how researchers can be successful in obtaining research dollars, what it takes to have

proposals reviewed successfully in the review process, and what to avoid for a more favorable grant/contract submission. They also discussed post-award reporting and audits. On the second day, they met with James Forstall, Associate Director, Grants Administration, Illinois Board of Higher Education (IBHE). The awards that IBHE administer are HECA grants, work study, and Eisenhower funds. Currently, NRES does not have any funds from IBHE.

NEW IRS REGULATIONS

As of January 1, 1997, new Internal Revenue Service regulations require all non-resident aliens (e.g. J-1s, J-2s, H-1s) to have a social security number in order to receive payment. As a result, the Office of International Faculty and Staff Affairs will continue to issue temporary ID numbers, but will now issue payroll clearances to international employees using such numbers for only 30 days. During that time, the individual must obtain a social security number and notify the Office of International Faculty and Staff Affairs as well as Academic Human Resources, or if applicable, Personnel Services, as soon as they have been assigned a number. At that time he/she will be cleared for payroll for the duration of his/her immigration status. Call 333-8226 if you have any questions. **NEW STUDENT WELCOME**

NRES was well represented by our students and club exhibits at the "Welcome to the ACES Family" event for new students held Monday night at Krannert Center. Gary Kling, NRES undergraduate policy committee chair, took part in this event which attracted close to 300 students in the class of 2002. Members of the ACES Academic Programs Offices, entertained with a skit.

CHARITABLE FUND DRIVE

Judy Stoll, Chairman of NRES Charitable Fund Drive, reports it is time again for this year's Campus Charitable Fund Drive with the theme of "Neighbor to Neighbor—The Tradition Continues." The campus goal for 1997 is $725,000. NRES's goal is $6,120. This year, the challenge to NRES is to surpass the $6,120 goal, and have at least 50% participation in the department.

The fifteen umbrella organizations included in this year's campaign are: Public Interest Fund of Illinois, Illinois Women's Funding Federation, Combined Health Appeal of Illinois, Illinois Special Olympics, Environmental Fund of Illinois, United Way of Champaign County, Little City Foundation, United Negro College Fund, American Cancer Society, Veterans Protective League, Independent Charities of America, America's Charities, Earth Share, and International Service Agencies.

For further information regarding your pledge cards and booklet please contact Judy Stoll at 333-3650. This is your opportunity to help your neighbor.

STUDENT NEWS

Sami Kamal and **Scott Schaefer**, graduate students, attended the In Vitro Annual Conference in Washington, D.C.

Sergio Motoike is a new Ph.D. graduate student from Brazil who will be working under Korban's supervision in the area of plant molecular biology.

Vanessa Gage, vice president of the NRES Hort Club, was elected national treasurer of the Associated Collegiate Branch of the American Society for Horticultural Science at the summer meeting in Utah. Vanessa, who will begin a Vic and Margaret Ball Internship this January in California, is a senior majoring in horticulture/floriculture.

TURF CLUB

The U of I Turf Club is a charter student chapter of the Golf Course Superintendents Association of America. The Turf Club provides students with a positive atmosphere in which to exchange ideas and network with fellow students and professionals in the turfgrass field. Founded in January 1997 by a group of turf students, the Turf Club has several purposes: 1) provide an opportunity for students to network with peers and professionals in the field; 2) promote turfgrass management as a profession; 3) encourage interaction with other students through educational and social programs.

The club has enjoyed a successful first part of the year and anticipates an active program for 1997- 1998. President **Matt Kregel** reports the Turf Club holds biweekly meetings that bring in various speakers from within the industry. Some of the exciting and educational events planned this year include a field trip/tour of a golf course in the process of being built, community outreach projects of refurbishing local athletic fields, and various other events. For more information, contact Matt Kregel, Turf Club President via e-mail kregel@students.uiuc.edu

PUBLICATIONS

Dan Anderson and **Deborah Cavanaugh-Grant** were quoted in the article, "Farmers Sow Seeds for Future Research," by Steve Mills, staff writer for the Chicago Tribune, Sunday, August 3, 1997 issue.

The Department of NRES has been in the news the past two weeks along with the College of ACES regarding the future of south farms. A full page article, "Mapping the Future of the UI's South Farms," was in the Sunday, September 14 issue of Champaign News-Gazette.

Gary Rolfe, gave his visions for the south farms in the article, "Integrated look envisioned for UI south campus," in the same issue.

Mark David, was interviewed for the article, "Farm fields are major source of nitrates in Embarras River." The article told about the study of nitrates in the Embarras River which Mark, **David Kovacic** and their research team are conducting as part of a larger research project to determine the viability of creating artificial wetlands to filter tile drainage and lower the nitrate load of the river.

Karyn McDermaid was interviewed for the article, "Most favor ?grass roots' land management," in the LaSalle Agri News. The article reported on the findings of a recent survey of landowner concerns conducted by the research team of Karyn, **Gary Rolfe,** and **Dick Warner.**

Mark David, was featured on FOCUS 580 (WILL) for a one hour spot on Thursday, September 25 with host Jack Brighton. They discussed agriculture, water resources, and nitrogen.

PUBLICATIONS

Brown, S. 1997. Estimating biomass and biomass change of tropical forests: a primer. FAO Forestry Paper 134, Rome, Italy.

Cairns, M. A., **S. Brown**, E. H. Helmer, and G. A. Baumgardner. 1997. Root biomass allocation in the world's upland forests. Oecologia 111: 1-11.

Brown, S. and R. L. Czaplewski. 1997. Global information on tropical forests. Science 277: 883- 884.

Schroeder, P., **S. Brown**, J. Mo, R. Birdsey, and C. Cieszewski. 1997. Biomass estimation for temperate broadleaf forests of the US using inventory data. Forest Science 43: 424-434.

Brown, S. , P. Schroeder, and R. Birdsey. 1997. Aboveground biomass distribution of US Eastern hardwood forests and the use of large trees as an indicator of forest development. Forest Ecology and Management 96: 37-47.

Lawrence, G. B. and **M. B. David**. 1997. Response of aluminum

solubility to elevated nitrification in soil of a red spruce stand in eastern Maine. Environmental Science & Technology 31:825-830.

Shortle, W. C., K.T. Smith, R. Minocha, G. B. Lawrence, and **M. B. David**. 1997. Acidic deposition, cation mobilization, and biochemical indicators of stress in healthy red spruce. Journal of Environmental Quality 26:871-876.

Lawrence, G. B., **M. B. David**, S.W. Bailey, and W.C. Shortle. 1997. Assessment of soil calcium status in red spruce forests in the northeastern United States. Biogeochemistry 38:19-39.

David, M. B., L. E. Gentry, D. A. Kovacic, and **K. M. Smith**. 1997. Nitrogen balance in and export from an agricultural watershed. Journal of Environmental Quality 26:1038-1048.

David, M. B., L. E. Gentry, K. M. Smith, and **D. A. Kovacic**. 1997. Carbon, plant, and temperature control of nitrate removal from wetland mesocosms. Transactions of the Illinois State Academy of Science 90:103-112.

Minocha, R., W. C. Shortle, G. B. Lawrence, **M. B. David**, and S. C. Minocha. 1997. Relationships among foliar chemistry, foliar polyamines, and soil chemistry in red spruce trees growing across the northeastern United States. Plant and Soil 191:109-122.

R. A. Larson. 1997. Naturally Occurring Antioxidants. Lewis Publishers. 195 pp.

Itulya, F.M., V. N. Mwaja, and **J. B. Masiunas**. 1997. Collard-cowpea intercrop response to nitrogen fertilization, redroot pigweed density, and collard harvest frequency. HortScience 32:850-854.

Awad Abd El Mageed, El Sahhar, K. F., Robertson, K. R., Parham, and **C. A. Rebeiz.** 1997. Chloroplast Biogenesis 77: Two novel monovinyl and divinyl light-dark greening groups of plants and their relationship to the chlorophyll a biosynthetic heterogeneity of green plants. Photochem. hotobiol. 66: 89-96.

Ioannides, M. I., V. P., Shedbalkar, and **C. A., Rebeiz** (1997). Quantitative determination of 2- monovinyl protochlorphyll (ide) by spectrofluorometry. Anal. Biochem 249: 241-244.

ABSTRACTS

Mark David attended Biogeomon, the 3rd International Symposium on Ecosystem Behavior at Villaniva University on June 21-25, 1997. The following presentations were given and the

abstracts published:

David, M.B., A.M. Cupples, G.B. Lawrence, K.Vogt, P.M. Wargo, and W.C. Shortle. 1997. Forest Floor nitrogen pools in red spruce stands: response to chronic nitrogen additions. Biogeomon '97. Journal of Conference Abstracts 2:61.

Lawrence, G. B., **M. B. David**, G. M. Lovett, P. S. Murdoch, D. A. Burns, B. P. Balidgo, A. W. Thompson, J. H. Porter, and J. L. Stoddard. 1997. Soil calcium status and the response of stream chemistry to declining acid rain. Biogeomon '97. Journal of Conference Abstracts 2: 232-233.

Calendar of Events

Oct. 4	ACES Alumni Association Tent Party
Oct. 11	NRES Family Picnic, Monticello Railway Museum & Piatt County Forest Preserve Park
Oct. 14	NRES Faculty meeting 2-4:00 p.m. Rm. TBA
Oct. 17	Environmental Convocation, University of Illinois at Springfield
Oct. 25	U of I Homecoming
Oct. 25	NRES First Annual Alumni Homecoming Reunion, 10:30 a.m., PSL
Oct. 28	National Resource Management Training Series, "Regenerative Agriculture for the 21st Century"
Nov. 8	4-H Day
Nov. 12	NRES Faculty meeting 9-11 a.m. Rm. TBA
Nov. 27	Thanksgiving Day
Nov. 28	Thanksgiving Holiday, Campus Closed

HAPPY HALLOWEEN

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 9, November 1997
University of Illinois at Urbana-Champaign

In this issue:

Faculty News
Student News
Calendar
Publications

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105 YEARS ON THE JOB

Six NRES staff were recognized for 105 total years of service on the UIUC campus. In a recognition ceremony held Oct. 14 at the NRES monthly departmental meeting, **Janet Alexander, Dorothy Badger, Mary Ruth Getz, Richard Paoli**, **James Poppe**, and **Donna Prahl** were honored by their colleagues.

A 30-year certificate and desk clock were presented to **Dorothy Badger**, area secretary for the soils group; **Mary Ruth Getz**, PSL secretary, received a 25-year certificate and crystal picture frame; **Richard Paoli**, supervising farm foreman, received a 20-year certificate and Cross pen; **James Poppe**, agricultural gardener, received a 15-year certificate and key chain.

A ten-year certificate was presented to **Janet Alexander**, secretary, communications and development, and **Donna Prahl**, secretary, graduate programs, received a five-year certificate.

Congratulations to this outstanding group of individuals for ongoing excellence and commitment.

FELLOWSHIPS AWARDED TO NRES GRADUATE STUDENTS

Three NRES graduate students received prestigious awards this semester for their scholarship and achievements.

James E. Frelichowski received the Downers Grove Garden Club Fellowship for superior achievements in course work and research as a graduate student in plant genetics.

The J. Nelson Spaeth and William R. Boggess Graduate Fellowship in Forestry was awarded to **Dilpreet S. Bajwa,** based on his superior achievements as a graduate student in wood technology.

Scott M. Wiesbrook received the Odell Graduate Fellowship in Soil Science for superior achievements as a graduate student in soil pedology.

Congratulations to these three students and their respective advisors.

NRES RECEIVES EIGHT TEACHING ENHANCEMENT GRANTS

Jeff Dawson, Robert Hudson, Schuyler Korban, John Masiunas, Dianne Noland, Randy Rogers, Robert Skirvin, and Art Spomer are recipients of the Karl E. Gardner Teaching Enhancement Grant proposals from the College of ACES. NRES received eight of the 14 applications submitted for the grant. Congratulations!

ESCOP/ACOP LEADERSHIP DEVELOPMENT PROGRAM

Mary Ann Lila Smith has successfully completed the Phase I experience of the ESCOP/ACOP Leadership Development Program. The intense week of training included sessions focusing on leadership in higher education, use of teams in higher education, managing change, strategic thinking and acting, values in leadership and followership, and handling crisis and conflict.

On a personal level, some important topics that were covered during the program included: Personal Assessment: Strengths and Areas to Improve, and Stress Management: Personal and Work Related. As usual, the participants left the Indianapolis experience very excited about leadership, the land-grant system, and their role in the system.

For more information about this program or the Phase II program, contact Vicki McCracken at Washington State University by e-mail mccracke@wsu.edu

ILLINI FORESTERS CAPTURE 3rd IN MIDWESTERN CONCLAVE

How Much Do You Know About Old-Time Loggers' Competition?

The Illini Foresters headed on down to southern Illinois Oct. 25 to compete in the annual hard-hitting forester's

conclave at the Touch of Nature Environmental Center in Carbondale. This year's event was co-hosted by Southern Illinois University and Southeastern Illinois College. Competing were:

Iowa State University, Michigan Technological University, Purdue University, University of Missouri, and University of Illinois.

Conclave is known as an "old time" loggers competition. The events which take place at Conclave are: wood identification, compass and pace traverse, match split, log roll, chain throw, tobacco spit, tree identification, bucksaw, speed chop, pulp toss, bolt throw, and the special event.

Going The Distance

Wood identification is identifying different wood specimens from wooden blocks. The contestant must record the family, genus, and species names of each specimen, and spelling counts.

In the compass and pace traverse, the contestants must take distances that are written in rods, chains, links, yards, and feet, and by using only a compass, pace out the course to the finishing point. The distance in inches from the contestant's finishing point and the actual closing point determines the winner. **Seth Footlik** from U of I came within 8 feet of the closing point and received first place in the event.

The object of the tobacco spit is to see how many squares on a piece of graph paper the contestant can cover from a distance of 10 feet. Both men and women can, and do, compete. **Eric "Moose" Aschenbrenner** received third place in the tobacco spit for U of I, covering 412 squares in one spit.

Splitting The Match

Match split is an event in which the contestant uses an axe to try to split a wooden match that stands vertical in a tree stump. The contestant receives points for how far away they are from the match, so the lowest score wins. A split match is worth -2 points.

There are three log roll competitions; the two-man log roll, two-woman log roll, and the Jack-n-Jill log roll. The contestants must roll a 12 foot log down a 100 foot long "L" shaped course, that is 15 feet wide, and back again. They can only use a peavey (a 5 foot long tool with a point at the end and a hook on it used for rolling logs) to roll the log down the course. The fastest time wins. In the two-man log roll, **Barry Kleckler** and **Gary Penniston** took third place for U of I. **Peggy Uchanski** and **Courtney White** also place third in the two-woman log roll.

The chain throw consists of taking a rolled up surveyor's chain and unrolling it then rolling it back up again for time. The chains length is 2 chains long, or 132 feet.

Name That Tree

Tree identification is identifying trees in the field where each contestant must record each specimen's family, genus, species, and common name. Again, spelling counts.

The bucksaw competition consists of 4 events; the two-man buck, the two-woman buck, the Jack-n-Jill buck, and the one-person buck. The men cut through a 14" X 14" red oak cant (squared off log). The women cut through an 11" X 11" cant of red oak. The fastest time wins. **Peggy Uchanski** and **Wendy Debiase** received third place in the two-woman bucksaw, and **Phil Bergsrud** placed second with a time of 1 min. 24 sec. in the one-person bucksaw.

The speed chop event has both a men's and women's competition. The men chop through a cant of 10" X 10" and the women's cant is slightly smaller. There is no rule as to what size of axe must be used. The fastest time wins.

Tossing the Pulp

Pulp toss consists of throwing pulp sticks (logs 4 ft. long and 6 in. in diameter) in between 2 stakes for accuracy. There are two pits with 2 stakes 3 ½ ft. apart in each pit. The pits are 25 ft. away from each other. A four person team (2 people at each pit) throw 4 pulp sticks one at a time, each in one turn, with each stick that lands between the stakes equaling 1 point. The team that reaches 24 points in the quickest time wins.

Bolt throw consists of throwing a log (the bolt) which is 6 ft. long and 5 in. in diameter, at the smallest end, for distance. There is a men's and women's event.

The special event is different every year. Nobody knows what the event will be until the day Conclave begins. This year's special event consisted of 5-person teams from each school. For U of I, **John Prater** and **Moose Aschenbrenner** found themselves dragging a 12 ft. log down the log roll course to where **Bianca Rios** had to cut the log into 4 pieces with a chain saw. Then **Phil Bergsrud** and **Aaron White** split the logs into two pieces with mauls. The fastest team won. U of I took home a first place in this event.

The Illini Foresters finished third overall, only to be beaten by SIU and Missouri. The Illini Foresters will be competing in the Eastern Illinois Forestry Conclave, which is open for the public to view, at the Forest Glen Preserve in Westville, on April 18 and 19 (tentatively) this spring.

-- Aaron White, The Illini Foresters President

ANDY HAMBLIN JOINS NRES

Andrew Hamblin joined NRES October 21, 1997 as an assistant professor. Andy received his Ph.D. in 1997 from the College of ACES Crop Sciences Department. His specialization and areas of interest are in plant breeding, disease resistance in plants, and quantitative inheritance. Welcome Andy to the NRES team. You can find him in 228 ERML, at 3-5595 or write to him at hamblin@uiuc.edu.

FERREE'S CLASS RENOVATE PLANTS

Rhonda Ferree's NRES 245 class, Indoor Plant Identification, Culture, and Use, renovated the plantscapes in Turner Hall as their class project. New hardware and plants were added where appropriate. Some existing plants were renovated, cleaned, and used again. The project was jointly funded by NRES and Crop Sciences. In addition, the Norfolk Island Pine in the west entrance was donated by **David Onstad**. The class will maintain the plants through the semester. If you have a student that might be interested in a NRES 199 project maintaining these plants next semester, you can contact Rhonda via e-mail at r-ferree@uiuc.edu.

INTERNSHIP COORDINATOR NAMED

Karyn McDermaid, research specialist, was recently named Departmental Internship Coordinator for NRES. This is a new role in NRES that will include the following duties: (1) inventory existing internship opportunities available to NRES students at undergraduate and graduate levels; (2) publicize these opportunities to students; (3) serve as information clearinghouse for internships; (4) be the point of contact for students; and (5) pursue new internship opportunities with agencies and organizations.

Karyn will contact all NRES individuals involved in internship opportunities. Her role will reinforce current faculty relationships with agencies and organizations involved with internships by providing additional assistance and department-wide coordination. Remember to send copies of internship announcements to Karyn as you receive them. The information will be entered into a database and passed on to all NRES students. If you are working with an internship opportunity, you can email Karyn at karynk@uiuc.edu.

NRES ANNUAL BOWLING SOCIAL

Faculty, staff, grad students and their families are invited to attend the NRES annual bowling social on Saturday, November 15, from

1:00-3:00 p.m. at the Old Orchard Lanes on Route 45 in Savoy. The event will be sponsored by the NRES Graduate Organization. The cost to bowl is $1.90 per game and the shoes are free. Email your reservations by Wednesday, November 12 to Randy Whitecotton, whitecot@uiuc.edu, or Ame Moore, aa-moore@uiuc.edu.

NRES RECYCLES TRANSPARENCIES

Nick Smith-Sebasto is pleased to report that the Transparency Recycling Program has been a huge success. He has sent back 5 packages, each consisting of 100 transparencies, to the 3M Company for recycling. Please remember to put your used transparencies in the recycle box in the Turner Hall 5th floor mail room.

KLING JOINS PHYSICAL AND LIFE SCIENCES PANEL

Gary Kling was named as a University of Illinois representative on the Phase I Physical and Life Sciences panel of the Board of Higher Education for the 1997-98 academic year. This panel is addressing the integration of physical and life sciences course work in Illinois higher educational institutions.

EMPLOYMENT SURVEY

Mary Lowry, NRES research specialist, has been asked to work with **Tim Ellsworth**, NRES associate professor, on a comprehensive study of long-term employment projections in job areas related to our program. The results should help the department advise and counsel students, plan curriculum changes, and determine course needs. The survey should be completed by mid-spring.

E. LOUISE ROGERS JOINS ACES ADVANCEMENT OFFICE

E. Louise Rogers began her responsibilities this past September as director of development for the College of ACES Advancement Office. This new role encompasses development and alumni activities, as well as provides a helpful link to our internship and placement activities in the Chicago area. Louise will be housed in the new UI-Chicago office.

A 1973 alumna of the College of ACES, she received her MBA from Northern Illinois University in 1980 and has been an active participant in the life of the College for more than 15 years.

She comes to the College from her post as vice president for Northern Illinois Gas Company in Naperville, Illinois. For the

time being, she can be reached at 217/333-9355.

GRADUATE FELLOWS RECOGNITION

The College of ACES and Gamma Sigma Delta are planning a Graduate Fellows Recognition on November 13 from 3:30 - 5:30 p.m. in the Auditorium of the Environmental and Agricultural Sciences Building (Room 149), 1101 W. Peabody Drive. The recognition will consist of a short program including a presentation of certificates to presently enrolled College of ACES graduate students who currently hold named fellowships. A reception will follow the ceremony.

AMERICA RECYCLES DAY IN ILLINOIS

Pam Walkenbach reminds us that November 15, 1997 is America Recycles Day. America Recycles Day is a new national initiative being organized in Illinois by the Illinois Department of Commerce and Community Affairs, Bureau of Energy and Recycling.

This educational media campaign plans to boost purchase of goods made from recycled materials and galvanize recycling programs across the nation. The message will be spread by: 1) Holding a national pledge drive and prize drawing. National prizes include an "American Green Dream Home" valued at $250,000, a Walt Disney family vacation, and many more great prizes; 2) Providing media publicity through radio, television, and print ads. If you are interested in receiving more information or a copy of the guide, please contact Pam via e-mail at walkenbachp@idea.ag.uiuc.edu, or you can access the national initiative on the web at http://www.americarecyclesday.org

TEACHERS RANKED EXCELLENT

The following incomplete list of instructors were recognized in the Daily Illini, October 27, as ranked excellent by their students for the Fall 1997 semester: **John Hassett**, professor of soil and environmental chemistry, NRES 387; **Anthony Kahtz**, teaching assistant, NRES 202; **Gary Kling**, associate professor of horticulture, NRES 202; **Ann Kurilich**, teaching assistant, NRES 190; **Dianne Noland**, teaching associate, NRES 232, 230 131; **Karl Ritchie**, teaching assistant, NRES 101; **James Schmidt**, horticulturist in extension, NRES 230; **Robert Skirvin**, professor of horticulture, NRES 100; **William Sullivan**, assistant professor, NRES 211; and **Scott Wiesbrook**, teaching assistant, NRES 101.

COURSE ANNOUNCEMENTS

Robert Herendeen announces a new course, Ecological

Numeracy: Planning Analysis of Environmental Issues, will be offered for upper-level undergraduates and beginning graduates students in the Spring 1998 semester. The course is being sponsored by the Illinois Natural History Survey and these UIUC departments: Urban and Regional Planning; Ethology, Ecology, and Evolution; Natural Resources and Environmental Sciences.

When environmental decisions are made the numbers matter, and often a quick calculation slices through to the crux of the problem. Computer models are important, but are no substitute for having a grasp of how the factors interact and whether the results make sense, and being able to explain the results to diverse audiences. This course helps to develop and strengthen these skills, useful for both involved citizens and professionals.

Maggie Alario is offering a new graduate course for the Spring semester titled: Science, Technology and Environmental Policy, NRES 349 (same as Sociology 349).

FORESTRY CURRICULUM REVISED

Gary Kling reports that the revision of the forestry curriculum, which adds an option in urban forestry and drops the option in wood products industries, passed the UI Faculty Senate on the consent agenda without question or comment on October 27, 1997.

ENVIRONMENTAL CONVOCATION

Gary Rolfe reports that the October 17, 1997 Environmental Convocation in Springfield was a modest success. About 70 individuals participated overall, with 15 student presentations. Gary participated in a panel discussion on ecosystem management and reports that his presentation generated a stimulating discussion. **Steve Becker** and the staff at UI-Springfield coordinated the student-based endeavor. Special thanks goes to **Joe Stucki** and his graduate student, **Caifen Xu**, a Ph.D. candidate in soil physical chemistry, for representing NRES with an excellent presentation.

WILLIAMS WINS FLORIST AWARD

Kim Williams, former NRES faculty member, received the Ohio Florists' Association's *Alex Laurie Award* for the most outstanding floriculture research paper published in any of the American Society for Horticultural Science journals this past year. You can find her award winning paper, "Modifying a Soilless Root Medium With Aluminum Influences Phosphorus Retention And Chrysanthemem Growth," in the June '96 issue of *HortScience*, Vol.31 (3). pp.381-384.

NRES CONFERENCE PRESENTERS

Poo Chow discusses wood biomass

Poo Chow attended the World Forestry Congress in Antaya, Turkey on October 13-19, where he presented a paper on "Wood biomass for energy." **George Gertner, Gary Rolfe**, and Russell O. Lambert, Jr., Biotechnology Department, Tennessee

Valley Authority, Muscle Shoals, Alabama, were co-authors.

Maggie Alario reports on ecosystem restoration

Maggie Alario, assistant professor of environmental sociology, attended the Society for Human Ecology IX Annual Conference where she presented her paper on "Ecosystem Restoration: Environmental Policy Shift, Political Risks and or Data War." In addition, she has been elected as Officer at large for the Human Ecology society.

Her paper, "Democracy, Environmental Policy and the Equity Card," has been published in the *International Journal of Contemporary Sociology*, as of October 1997, Vol. 34, No. 2.

Maggie was the guest editor of the special issue for the *International Journal of Contemporary Sociology*, titled: "Democracy, the Global Order, and Regional Environmental Equity Configurations," 1997, Vol. 34, No. 2.

Mark David Collaborates on National Network

Mark David traveled to Laurel, Maryland, October 15-17, 1997 to participate with a group of scientists from federal agencies and universities to begin designing a national network of index sites for monitoring the environment in all types of ecosystems found in the U.S., ranging from agricultural to estuarine to urban to forested. This is

being done by the Committee on Environment and Natural Resources under the National Science and Technology Council established by President Clinton.

Ken Robertson Attends Rosaceae Conference

Ken Robertson joined worldwide specialists at the Royal Botanic Garden, Edinburgh, Scotland, in October to discuss rosaceae research. Specialists from China, Japan, eastern and western Europe, and North America heard Ken present two papers: "Morphological Diversity and Subgeneric Classification in Subfamily Maloideae" and "The Current Status of

Chamaememes, an Endemic of the Island of Madeira."

Ken says that the botanical garden in Edinburgh is not-to-be-missed if you are in Scotland; they have over 20,000 species in cultivation, many being of a wild origin. The perennial border is 170 meters (560 feet!) long, and at this time of year features a number of plants originally from the tallgrass prairie.

Mihuc Attends Conferences

On September 18-21, **Tim Mihuc** attended the annual meeting of the Organization of Biological Field Stations at the Oregon Institute of Marine Biology in Charleston, OR, where he presented a summary of research and education at the Great Rives Field Station. Tim feels he made many contacts at the meeting and obtained ideas for development of the field station facility at Pere Marquette State Park.

Tim also attended the annual meeting of the Upper Mississippi River Conservation Committee fish technical session on October 1 held at the Mark Twain Lake State Park, Missouri and the Governor's Conference on the Illinois River held in Peoria October 7-9. In addition, he presented invited seminars at Southern Illinois University at Edwardsville, September 30, and St. Louis University on the effects of wildfire on stream food web dynamics, October 31.

American Fisheries Society Meeting

Dave Philipp and **Dave Wahl** attended the 127th annual meeting of the American Fisheries Society (AFS) in Monterey, California, August 24-26. Dave Philipp presented a paper entitled, "Stock Structure of Upper Midwest Fishes." Dave Wahl coauthored two papers titled, "Growth and Physiological Differences Among Walleye Stocks," and "Differences in Macroinvertebrate Assemblages Between Gizzard Shad and Bluegill Dominated Systems."

INTERNATIONAL VISITOR

Ken Olson and **Bob Jones** hosted Professor and Associate Dean Alexander Gennadiyev, Department of Geography, Moscow State University (Russia) from September 21 to 23, 1997. Dr. Gennadiyev's visit was part of a continuing collaboration on research related to soil erosion and conservation.

NRES HOLIDAY SOCIAL

All NRES faculty, staff, affiliates and students are invited to join the holiday fun at the 1997 NRES Holiday Social on Wednesday,

December 10, 3:30 to 5:00 in 1125 PSL.

NRES FAMILY DAY

Thanks to **Jim Lang** and members of the NRES Social Committee for arranging the department picnic, October 11 in Monticello. The group was not as large as anticipated but all reported having a great time riding the train at the Monticello Railroad Museum. The food, served at the Monticello Forest Preserve Park, was delicious, according to attendees of all ages.

NRES T-SHIRTS FOR SALE

NRES T-Shirts are now available in W-503 Turner Hall. You can choose from either a colorful leaf designed gray sweatshirt, sizes large and extra large, or a T-Shirts in white (XXL, XL, or L), gray (XL and L), or tan (XL, L, or M). Sweatshirts are priced at $14.00 and T-Shirts can be purchased for $8.00. Please make checks payable to the University of Illinois.

DEPARTMENTAL CUSTODIANSHIP OF EQUIPMENT

The NRES department has requested that in order to assure proper custody and recording of equipment for which NRES is ultimately responsible, faculty and staff are encouraged to contact the departmental business office in the following situations: 1) If you acquire new equipment items from central stores; 2) Give the business office copies of requisitions and departmental purchase orders which involve equipment; 3) Inform them when ordered equipment is received; 4) When equipment is moved from one location to another; 5) When equipment is no longer in use; 6) Consult the business office prior to discarding equipment, even if it is broken or obsolete; and 7) Prior to removing equipment from campus, donating equipment, or transferring equipment to another university consult. All departments are responsible for the accuracy of the property accounting system record for their equipment. Thank you for your help and support in insuring proper control of the equipment in NRES.

NRES NEWSMAKERS...read all about it...

Mark David was interviewed live on October 21, 1997 by Colleen Callahan during her noon agriculture show on WMBD-AM, Peoria. He discussed his research on nitrates in the Embarras River, tile drainage, and agricultural production. **Lowell Gentry, David Kovacic**, and **Karen Smith** also appeared in the Champaign-Urbana News Gazette and Chicago Tribune regarding recent articles about this work.

Mark David and **Lowell Gentry** were quoted in the article, "U.I.

studies ways to cut nitrate levels in rivers," by Rick Orr, Chicago Tribune reporter. The article was about the study of nitrates in the Embarras River which is part of a larger research project to determine the viability of creating artificial wetlands to filter tile drainage and lower the nitrate load of the river.

Mosbah Kushad reported on the apple crop this year in the article, "Fewer apples expected, but yum!" in the September 28, News Gazette and picked up by the Associated Press. He reported he expected the statewide yield to be close to 2 million bushels. The five-year average is between 2.2 million and 2.5 million. He said the quality of the apple crop is generally excellent throughout the state. The warm days and cool nights made for better fruit color and a sweeter taste.

A similar article was also in the September 22, 1997 issue of FarmWeek.

Ted Peck, NRES soil chemist, and **Michelle Wander**, NRES soil scientist, were quoted in the October 1997 issue of Prairie Farmer, in the article, "Hallowed Ground," telling the important story of the history of the Morrow Plots. Little did those early U. of I. researchers know that the Morrow Plots would go on to survive more than 120 years in the heart of the Urbana-Champaign campus.

Ted was reported as saying, "Throughout the history of the Morrow Plots, scientists have used it to study the viability of intensive crop production. Over this time, they have shown that good management can preserve soils and productivity." Michelle reports, "Some people believe that the extraordinary story of the Morrow Plots show that we can keep producing corn forever. I don't think that is necessarily what it says."

Yes, that was **Gary Kling's** smiling face you saw in the News-Gazette this October, talking about autumn and the fall colors in Illinois.

Pumpkins made the news recently. A story picked up by the Associated Press quotes **Chuck Voigt**, NRES vegetable specialist, describing this year's crop. "Pumpkin pickings pretty good" appeared in the News-Gazette with a photo of people picking pumpkins at Curtis Orchards in Champaign. Chuck describes Illinois as a fairly major player in the jack-o'-lantern type pumpkins' industry, shipping pumpkins to other states. Illinois also is a leader in the business of processing pumpkins for canning.

"New wine industry expects bright future." "Grape, wine industry ripe for growth." "Emerging industry seeks support." **Robert**

Skirvin, professor in vivaculture and small fruits, is excited about the new growing wine industry in Illinois as reported in the above articles in the Illinois Farm Bureau 'Partners' and the Illinois AgriNews. The quality of wine even surprised Bob, who says his first taste was so good, he couldn't believe it.

He and research partners received funding from the Council on Food and Agricultural Research (C-FAR) to establish industry support and research in cooperation with Southern Illinois University. The research work includes surveying growers, establishing grape variety and rootstock trials, and developing a world wide web site on the Internet: *http://www.aces.uiuc.edu/NRES/faculty/Skirvin/cfar*.

If you have a NRES news or feature story idea, contact Anita Povich at 3-6258 or Gary Beaumont, ACES News and Public Affairs at 3-9440.

PERSONALS

John Masiunas and Jean Unkraut are the proud parents of a baby girl, Jacqueline Marie, born Thursday, October 2.

Warren and Mary Lowry report that their first-born child, Amanda, is smiling and growing like the proverbial weed. Andy, as her parents call her, was born Tuesday, August 5 at 6:20 p.m. and weighed 7 lbs. 7 oz. She currently weighs about 12 pounds.

Dr. Charles S. Walters Jr., 84, professor of forestry, died October 9, 1997, in Urbana. Dr. Walters retired in 1979 after 39 years in a distinguished career of research and teaching forest products and wood science.

Dr. Joe B. Fehrenbacher, 81, professor of soils, died October 18, 1997, in Champaign. Dr. Fehrenbacher received his B.S. from UI in 1938, a M.S. in 1940 and returned to UI in 1946 to the agronomy department, where he worked in soil survey studies and soil mapping.

Dr. Howard B. Petty Jr., 79, of Urbana, died Sunday, October 26, 1997. Dr. Petty received his bachelor's, master's and doctoral degrees in entomology from the University of Illinois. He was employed as an Extension entomologist at the UI from 1941 to 1973.

PUBLICATIONS

Phillips, S. R., **K. R. Olson**, J. C. Siemens, and S. A. Ebelhar. 1997. Economics of conservation tillage systems for a corn-soybean rotation in Southern Illinois. J. Prod. Agric. 10:483-489.

Drake, M. T., J. E. Claussen, **D. P. Philipp**, and D. L. Pereira. 1997. A comparison of bluegill reproductive strategies and growth among lakes with different fishing intensities. North American Journal of Fisheries Management 17 (2):496-507.

Jennings, M. J., J. E. Claussen, and **D. P. Philipp**. 1997. Effect of population size structure on reproductive investment of male bluegill. North American Journal of Fisheries Management 17 (2):516-524.

McPheeters, K. D. and **R. M. Skirvin**. 1996. Sweet Fruit, No Blood. R. & D. Innovator. 5 (6):8.

Calendar of Events

Nov. 12	9-11 a.m. NRES Faculty Meeting, EASB Auditorium
Nov. 12	10-12:00 Executive Committee Meeting, 102 ASL
Nov. 13	3:30-5:00 College of ACES Graduate Fellows Recognition, EASB Building
Nov. 15	1:00-3:00 NRES Bowling Social, Old Orchard lanes on Route 45 in Savoy
Nov. 27-28	Thanksgiving Holiday, Campus Closed
Dec. 5	5:30 p.m. JBT Reception, Illini Union South Lounge 6:00 p.m. JBT Banquet dinner and program, Illini Union room A-B-C
Dec. 10	3:30-5:00 NRES Holiday Social, PSL Lobby
Dec. 12	10-12:00 NRES Faculty Meeting, EASB Auditorium
Dec. 19	11:30-1:30 NRES Faculty/Staff Holiday Lunch
Dec. 15-20	Final Examinations
Dec. 24	1-5 Holiday - One-Half Day Designated - Campus closed
Dec. 25-26	Holiday - Campus closed
Jan. 1-2	New Year's Holiday - Campus closed
Jan. 15	NRES Faculty Retreat
Jan. 20	Instruction Begins
Feb. 10	1-3:00 p.m. NRES Faculty Meeting, EASB Auditorium

Happy Thanksgiving, *Everyone*!

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 10, December 1997
University of Illinois at Urbana-Champaign

In this issue:

Faculty News
Student News
Personals
Conference Happenings
Nres Newsmakers
Graduate Organization News
Calendar
Publications

Hang Your Stockings at The Nres Holiday Social, December 10

Join the merriment at the NRES Holiday Social on Wednesday, December 10, 3:30 to 5:00 p.m. in 1125 Plant Sciences Lab. All NRES faculty, staff, affiliates, students, and their families are invited. Every half hour, there'll be a drawing for poinsettias, and homemade cookies, snacks, and refreshments will be served. The NRES Graduate Organization will collect canned food for three local charities, so be sure to bring your donation. Come share the holiday spirit!

Nres Has Big Heart!

Thanks to the generous giving of NRES faculty, staff and students, our department exceeded its goal for the Campus Charitable Fund Drive by $907.00! This year's goal was $6,120.00, up $1,172.00 from 1996. The total raised by our department for the fifteen umbrella agencies sponsored this year by the campaign was $7,027.00 or 115% over our goal, with 24% participation (not quite the 50% we had hoped for). Each year, however, the percentage goes up, and that's encouraging. Thanks to all who participated and to the committee members: Mike Bolin, Rhonda Ferree, Jack Juvik, and Judy Stoll, who chaired the effort.

Gertner Is P.i. For Ecology Project

George Gertner, professor of biometrics, is the principal investigator for a new $2.2 million dollar project entitled, "Error and Uncertainty for Ecological Modeling and Simulation." This is a four-year project, funded by the Department of Defense, Environmental Protection Agency, and Department of Energy. The co-principal investigator is Carolyn Hunsaker, Environmental Division, Oak Ridge National Laboratory. **Pablo Parysow**, postdoctoral research associate, is the team leader for the project,

David Thomas Is New Inhs Chief
David Thomas, former head of the U of I Waste Management and Research Center, assumed duties as the new chief of the Illinois Natural History Survey on December 1.

Thomas, who led the WMRC from its infancy 12 years ago, has a strong interest in ecology and sustainable development. He holds a bachelor of science in zoology from the University of Illinois, a master's degree in ecology from Florida State University and a doctorate in Ecology and Systematics from Cornell University.

A former INHS staff member during the 1960s, Thomas is described as a "demonstrated leader who takes a broad view of issues and an interdisciplinary approach to solving problems."

Illinois Renewable Natural Resources Conference
NRES is co-sponsoring the second Illinois Renewable Natural Resources Conference, scheduled March 4-6, 1998 at the Crowne Plaza Hotel, Springfield. More than twenty professional societies, state and federal agencies, and private groups will be involved.

The conference will feature an exciting plenary session of local and nationally recognized speakers, special sessions addressing natural resource issues facing Illinois, education sessions, and technical poster and oral presentations. All activities are organized with the goal of promoting interaction and communication exchange across a wide variety of natural resource disciplines. For more information

write to: Illinois Chapter of AFS, Max McGraw, Wildlife Foundation, P.O. Box 9, Dundee, IL 61011.

1998 Illinois Land & Water Resources Conference
Call for papers & posters.

The 1998 Illinois Land and Water Resources Conference will take place July 26 through July 29, 1998 at the Crowne Plaza Hotel in Springfield, Illinois. Last year, the conference, held for the first time, attracted 1,100 attendees. Sponsors are the Association of Illinois Soil and Water Conservation Districts and the Illinois Department of Agriculture along with several other state and federal natural resource agencies and organizations.

Conference planners are seeking "hands-on," interactive presentations of 45 to 55 minutes duration that will provide attendees with the "how to" tools to enable them to better address natural resource issues and opportunities in urban and/or rural settings.

Topics should relate to the following: Watershed Management;

Restrictions/Requirements in Natural Resource Program Activities; Natural Resource Reclamation/Restoration; Utilizing Partnerships and Volunteers; Cropping Systems; Farmland Protection; Livestock Waste Management; Fostering Local Government Leadership; Government Farm Programs; Erosion and Sediment Control; Water Management - Surface/Ground; Water Quality - Surface/Ground; Natural Resource Management Technology; Education Programs/Activities involving any of the above.

Submissions are due December 31, 1997, and authors of selected abstracts will be contacted by the end of the second week of February.

Further information is available from Richard Nichols, Illinois Department of Agriculture, Bureau of Land and Water Resources, State Fairgrounds, Springfield, IL 62794-9281, phone: 217/782-6297, FAX: 217/524-4882, e-mail: rnichols@agr084rl.state.il.us

Nres Grads Receive Travel Grants
Three NRES graduate students are recipients of travel grants: **Jeffery W. Walk**, Ph.D. candidate with **Dick Warner**, has been awarded a Graduate College Conference Travel Grant to apply to the cost of travel to the North American Ornithological Conference.

Leonardo Chapa, Ph.D. candidate also studying with Dick Warner, has been awarded a Conference Travel Grant to apply to the cost of travel to the Scientific Program for the Joint Meeting of the Association of Field Ornithologists in Costa Rica.

Sean P. Callahan, Ph.D. candidate with **David Wahl**, has been awarded a Conference Travel Grant to apply to the cost of travel to the Midwest Meeting of the American Fisheries Society.

Dawson Hosts Swiss Scientist
Kornelia Zepp from a Swiss Federal Laboratory Group in the area of Environmental Microbiology of Soils and Water in Lucerne visited **Jeff Dawson's** lab from October 20 to November 8 to conclude a project using molecular probes to study competition between strains of the symbiotic actinomycete Frankia in soil.

Krzysik Appointed to Editorial Positions
Anthony Krzysik was appointed to two editorial positions for Amphibian and Reptile Conservation, an International Journal, Section Editor for Experimental Design and Statistical Analysis, and Editorial Review Board.

Smith-sebasto Invited to Speak
Nick Smith-Sebasto, assistant professor and extension specialist

in environmental education, was invited to deliver the Keynote Address at the Illinois Renewable Natural Resources Conference on March 6, 1998. Smith-Sebasto will address "The State of Environmental Education in Illinois."

Smith-Sebasto Serves Nationally
Nick Smith-Sebasto was recently elected to two national positions in the environmental education area. Through 1998, he will be the U.S. Chair of the North American Commission on Environmental Education Research. He also joins the Board of Directors of the North American Association for Environmental Education. The latter group is the largest professional environmental education association in the world, with nearly 3,000 members in 55 countries. His term is for 1998-2001.

Don't forget the....

NRES Faculty Retreat
January 15, 1998
Robert Allerton Park

Lang Wins Best of Show
If he's not busy on the job or chairing the NRES Social Committee, you'll find **Jim Lang**, assistant agronomist, in the field scouting for arrowheads. Most recently, adding to his list of honors, Jim received a plaque from the Wabash Valley Archaeological Society at their show in Georgetown, Illinois. He garnered the Tom Razmus/George Hoke Memorial award for Best Educational Display, his collection of 700 arrowheads that he's been gathering since his high school days.

Nres Conference Happenings

Appleby discusses plant health
On October 23-24, 1997, **Jim Appleby** participated in NCR-193 "Maintaining Plant Health: Managing Insect Pests and Diseases of Landscape Plants at St. Louis, Missouri.

Brown discusses forest stress and carbon emissions
Sandra Brown presented a poster, "Ecological indicators for assessing and monitoring stress effects on Pacific Northwest forests," at the annual meeting of the Society of Environmental Toxicology and Chemistry in San Francisco, California, November 16-20, 1997. While in California, she also gave a seminar on "Ecosystem management for mitigation of carbon emissions" in the Departmental Seminar Series of the Department of Environmental Science, Policy and Management (ESM) at UC-Berkeley on November 18, 1997.

NCR attendees

Gail Kampmeier, Scott Isard, and **Joe Spencer** attended the annual meeting of NCR-148, Migration & Dispersal of Insects and Other Biota, in Wooster, Ohio, October 20-21, 1997. Gail is secretary/treasurer for the group and has been re-elected to the position through 1999. She maintains www pages for movement and dispersal, including NCR-148 at: http://www.inhs.uiuc.edu/cee/wwwtest/movement/migr.dis.html. Scott co-represented Illinois with **Michael Irwin** at this committee meeting.

Krzysik presents paper on Mojave Desert
Anthony Krzysik presented a paper, "Biodiversity and Ecosystem Management in the Mojave Desert," at the Military Land Use and Managing Biodiversity Session of the American Society of Agronomy meeting, Anaheim, California.

Kushad presents results of apple research
Mosbah Kushad presented the results of his research on the performance of apple rootstock in Illinois at the North Central NC.140 meeting in Fayetteville, Arkansas. Experiments in the NC.140 project are replicated in 27 locations in the U.S., Canada, Australia, and Mexico.

Spencer presenter at NCR-148 annual meeting
Joe Spencer, a postdoc with **Eli Levine**, gave a presentation of western corn rootworm movement and dispersal work ongoing in Illinois at the NCR-148 annual meeting in Wooster, Ohio, October 20-21, 1997. The meeting was attended by representatives from nine states plus Administrative Advisor, Michael Chippendale, and CSREES Representative, Rick Meyer.

Wiedenmann presents seminar on risk from biological control
Rob Widenmann presented a seminar entitled, "Minimizing risk from biological control: predicting host specifically," to the departments of Entomology

at the University of Arizona and the University of California, Davis. He also led classroom discussions about using novel associations for biological control in a graduate seminar at UC-Davis, and about host ranges of parasites in a grad seminar at Arizona.

Rob also attended the NCR-125 North Central Regional Biological Control meeting, October 13-15 in Omaha, Nebraska. Rob served as chair of the committee in 1997. He also represented NCR-125 at the W-185 Western Biological Control committee meeting, October 29-31, in Phoenix, Arizona. An outcome of the presentation made to W-185 will be a joint meeting of these two regional committees in 1999.

Zaborski presents poster on crop rotation

Ed Zaborski presented a poster, "Soil Organic Matter Pools, Microbial Biomass and Nitrogen Cycling in Short and Long Crop Rotations," at the 89th Annual Meeting of the American Society of Agronomy, Crop Science Society of America and Soil Science Society of America, October 16-30, in Anaheim, California. The poster documented temporal patterns and interrelationships of biologically active organic matter fractions, nitrogen pools, microbial biomass and mineralization potentials as influenced by crop rotation. Co-authors were Ben Stinner, Dave McCartney, and Don Beam, Ohio Agricultural Research and Development Center, Ohio State University.

Nres Newsmakers

Do you want to learn more information about annual and perennial flowers or facts about that insect attacking your trees or garden? If you're not already a viewer, you'll want to tune into the Illinois Gardener program on WILL-TV, Channel 12, on Thursdays at 7:00 p.m. NRES experts **Dianne Noland** and **Jim Appleby** explain the facts about gardening every other week on this popular call-in program.

A study by **Mark David** to determine where nitrates in the Embarras River water comes from was reported in the November 1997 Progressive Farmer and the Chicago Tribune. Mark was quoted as saying, "We determined that 98% of the nitrate in the river came from the farm fields of the area, mostly drainage tiles. That's not surprising, because more than 90% of the land in the watershed is farmed." Mark found that when the tiles stopped running, nitrate levels in the river dropped to near zero. The research also showed that up to half of the nitrate load comes from mineralization of soil organic matter. Thus even if nitrogen applications were eliminated, large amounts of nitrates would still make their way into the river.

Jack Juvik, was quoted in the November 12, 1997 issue of The News-Gazette, " 'Eat your broccoli' takes on a whole new meaning."

Studies of what people eat suggest that those who eat cruciferous vegetables such as broccoli are at reduced risk of contracting cancer than those who don't. Other research has identified a group of compounds called glucosinolates in cruciferous vegetables, showing that these compounds can increase human resistance to cancer. In the same article, **Mosbah Kushad**, reports, "Brigadier, Atlantic, Wintergreen, and Majestic are the varieties found with the highest levels of glucosinolates. These are common varieties used both for the home and commercial markets."

The Illinois Steward magazine was listed with four other magazines in Prairie Currents, the news periodical of The Nature Conservancy of Illinois. A description of the magazine and subscription information was given with a price reduction for Conservancy members. **The Illinois Steward** is edited by **Mike Bolin** and Robert Reber.

Thanks to coverage in the Chicago Tribune on November 2, "Cards help identify the good bugs," **Michael Jeffords** reports 190 requests for "The Good Guys! Natural Enemies of Insects," on the day the article appeared. Mike devised the handy set of 31 laminated photos of beneficial insects and bug-killing diseases most likely to show up in Midwest gardens. At this writing, the INHS has sold 500 sets and orders are still coming in.

Give a Holiday Sweatshirt
NRES sweatshirts and t-shirts are now available in W-503 Turner Hall. They are on display on first floor and fifth floor in the glass cases. You can choose either a colorful leaf designed gray sweatshirt, sizes large and extra large, or a t-shirt in white (L, XL, or XXL), gray (L or XL) or tan (M, L, or XL). Sweatshirts are priced at $14.00 and t-shirts are $8.00. Please make checks payable to the University of Illinois. Call Paula Moxley at 3-2770 to order.

Personals

Ellis G. MacLeod, associate professor of entomology and INHS affiliate, died on October 23, 1997. During his undergraduate years at the University of Maryland, Ellis raised pigs and took a year off school to sell shoes. During summer breaks from his Ph.D. studies at Harvard, he taught at Brandeis University and reared large quantities of monarch butterflies for use in schools. A memorial gathering was held in October at Levis Center on the U of I campus .

We sadly report the death of **Stevenson Moore, III**, retired extension entomologist. Steve was a faculty member for 32 years and retired in 1984. He passed away Tuesday, November 18, 1997, following a lengthy illness, at the age of 69. He is survived by his wife, Irma, four children, and seven grandchildren.

Publications

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Kim, J. S., V. Kolossov, and **C. A. Rebeiz**. 1997. Chloroplast biogenesis 76. Regulation of 4-vinyl reduction during conversion of divinyl Mg-protoporphyrin IX to monovinyl protochlorophyllide a is controlled by plastid and membrane stromol factors. Photosynthetica. 34: 569-581.

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Smith, J. W., Jr., **R. N. Wiedenmann**, and F. E. Gilstrap. 1997. Challenge and opportunities for biological control in ephemeral crop habitats: and overview. Biological Control 10:2-3.

Wiedenmann, R. N. and J. W. Smith, Jr. 1997. Attributes of natural enemies in ephemeral crop habitats. Biological Control 10: 16-22.

Graduate Organization News

The Graduation Organization wishes to thank everyone who participated in the Annual Bowling Social. Final scores were: Donna Prahl 179; Bethany Looney 154; Mark David 147. New officers for the year are: President Ame Moore; Treasurer Randy Whitecotton; Council Advisers Ryan Hultgren, David Lincicome, Melissa Schmeltz, and Scott Wiesbrook.

Hort Club Sells Wreaths and Poinsettias

The holiday season is fast approaching. Holiday decorations are beginning to appear everywhere that you look. The time has come for you to dig out your decorations and display the holiday spirit at your household. It is time for the club's annual wreath sale. We'll be selling two sizes of wreaths, each available with a bow of your choice, and poinsettias of various sizes.

The sale will take place from 9 a.m. - 5 p.m., Thursday, December 11 and Friday, December 12. The club will be selling at two different spots on campus--the main hallway of Mumford Hall and in the Illini Union at the southeast quad entrance. Orders can also be placed by calling Mary Ruth Getz, at 333-8656 in 1005 Plant Science Lab.

Club members would like to thank everyone in NRES for their continued support.Visit our website at: www.turf.uiuc.edu/hortclub/hort.html

Illini Foresters Sell Christmas Trees

The Illini Foresters would like to thank everyone for their support this past year. Continuing their long tradition, club members will again sell Christmas trees, potted trees, garlands, and wreaths from December 4-7, Thursday through Sunday, beginning at 3 p.m. December 4. Take a drive to the Illini Plantations, corner of Race Street and Windsor Road in Urbana, and say hi to the group as you select your tree. For more information, call 333-2770.

Turf Club News

The Turf Club would like to thank everyone that helped out the club in its first year of existence. The club feels that it has enjoyed a successful first year. Meetings are held every other Wednesday, bringing in different speakers within the industry. The club has hosted a Turfgrass Alumni Golf Outing, renovated a local baseball field, assisted in hosting a night of hockey for professionals within the field, and participated in many college and departmental functions.

The last regular meeting of the year will be on Wednesday, December 10 at 6:00 p.m. in 1103 PSL. Officer elections for this next semester will be held. We encourage all to come to one of our meetings and find out what we are about.

Visit our website at: www.turf.uiuc.edu/turfclub/turfclub.html

Calendar of Events

Nov. 12	9-11 a.m. NRES Faculty Meeting, EASB Auditorium
Dec. 10	3:30-5:00 NRES Holiday Social, PSL Lobby
Dec. 12	10-12:00 NRES Faculty Meeting, EASB Auditorium
Dec. 19	11:30-1:30 NRES Faculty/Staff Holiday Lunch
Dec. 15-20	Final Examinations
Dec. 24	1-5 Holiday - One-Half Day Designated - Campus closed
Dec. 25-26	Holiday - Campus closed
Jan. 1-2	New Year's Holiday - Campus closed
Jan. 15	NRES Faculty Retreat
Jan. 19	Martin Luther King Day - Campus closed
Jan. 20	Instruction Begins
Feb. 6	3-5:00 ACES Faculty, TBA
Feb. 10	1-3:00 p.m. NRES Faculty Meeting, EASB Auditorium

The NRES Department wishes everyone a Happy Holiday!

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 1, January 1998
University of Illinois at Urbana-Champaign

In this issue:

Upcoming Events
Faculty News
Calendar of Events
Conferences & Travels
Personals
Student News
Student Awards
Publications

NRES MASTERS AND PH.D. PROGRAMS APPROVED
The Illinois Board of Higher Education approved the M.S. and Ph.D. programs in NRES at their January 6 meeting. Watch for further details regarding IBHE in future issues of NRES News.

NRES 'RETREATING' AT ALLERTON PARK
The Department of NRES faculty held a one-day retreat at the Robert Allerton Park and Conference Center on January 15, 1998. Approximately 75 faculty members traveled to and from the Monticello Estate to tackle key issues shaping NRES growth. The action-packed agenda, courtesy of Bob Hudson, chair of the Retreat Committee, focused on NRES umbrella programs: Ecosystem Management and Urban Resource Management. Participants divided into nine break-out sessions to brainstorm five key areas relating to these programs: resource and environmental issues, utilizing concepts to integrate and organize knowledge, integrating teaching and extension activities, facilitating research programs, and ways the department can enhance the umbrella programs.

In addition to the umbrella-program discussions, the retreat featured a number of NRES program highlights; a summary of CFAR program initiatives and needs, including review selection and funding; and international opportunities. Changes in the NRES curricula were discussed in the areas of biological science, soil and water science, social science, fish and wildlife, and plant protection. Attendees heard an update on NRES career opportunities, internship programs, and results of an in-progress curriculum survey.

Members of the NRES Retreat Committee, in addition to Chair **Bob Hudson**, are **Maggie Alario, Bruce Branham, Joyce Canaday, Tim Ellsworth, Bob Jones, Dave Onstad,** and **Tom**

Voigt. Thanks to their super efforts and the enthusiasm of the faculty, Department Head Gary Rolfe described the 1998 NRES Retreat a worthwhile endeavor in his wrap-up remarks.

Upcoming Events

ACES TENTH ANNUAL PHONE-A-THON
The tenth annual College of Agricultural, Consumer and Environmental Sciences Phone-A-Thon will be held on the evenings of February 8-11, 1998 from 6:30 to 9:30 p.m. in 426 Mumford Hall. The Student Advancement Committee (SAC) is sponsoring the event and invites volunteer students, faculty members and staff to give a few hours of their time to call on College of ACES alumni and friends and ask for their financial support of our student and faculty enrichment programs.

Volunteers who offer their time and effort to the Phone-A-Thon will receive College of ACES t-shirts, door prizes donated by area merchants and refreshments throughout the evening. To volunteer for the Phone-A-Thon respond by Friday, January 23, 1997 via E-mail: *aces_odacr_phone@aces.uiuc.edu*

GROUNDS MAINTENANCE SCHOOL
The 16th annual Southern Illinois Grounds Maintenance School will be held during February 25 and 26, 1998 at the Gateway Convention Center in Collinsville, Illinois. Sponsors of the event include: University of Illinois CES, Southern Illinois Nursery Association, Southern Illinois Golf Course Superintendents Association and the Southern Illinois Grounds Maintenance Association.

IPM MINI-GRANT PROGRAM
The CEE Center Office has received announcement for the FY98 CES-sponsored Integrated Pest Management (IPM) Mini-Grant Program. Approximately $20,000 will be available on a competitive basis through the Smith-Lever Program. If you are interested, please contact: Beverley A. Harvey, Illinois Natural History Survey; 607 E. Peabody Drive, Champaign, IL 61820; ph. 217/333-6656. There is a February 6, 1998 deadline.

SUMMER TRAINING IN WATERTESTING EDUCATION
The 1998 Rivers Curriculum Project is conducting its sixth annual summer training program scheduled for July 19-24 on the campus of North Park University in Chicago, Illinois and on August 2-7 at Southern Illinois University in Edwardsville, Illinois. Teachers will focus on one of six curriculum areas while receiving interdisciplinary training in all. The six units, now published by Addison Wesley, are: biology, chemistry, earth science, geography, language arts and mathematics. The units were developed under a grant from the National Science Foundation.

Trainers for the week-long session are practicing Rivers Project teachers who are supported by university and other professionals.

For the second summer, the Friends of the Chicago River will co-sponsor the Chicago area training that will focus on urban rivers. Tuition (two semester credit hours for Summer 98), curricular materials, and low cost lodging and food will be available. A non-credit option is also available. Interdisciplinary teams from the same school are encouraged to attend.

Interested persons can call for information on the training or curriculum units at *rivers@siue.edu* or at *http://www.siue.edu/OSME/river*

Faculty News

SMITH AWARDED FULBRIGHT
Mary Ann Lila Smith, professor of plant physiology, has received a Fulbright Senior Scholar Award to New Zealand. Mary Ann will travel to Palmerston North, on the North Island of New Zealand, to the New Zealand Institute of Crop and Food Research and Massey University in January 1999, where she will work with Drs. Ken Davies and Ed Morgan in the Plant Pigments Groupe. She will spend five months in New Zealand.

Congratulations to Mary Ann.

NEW FACES IN NRES
Arlo Raim, visiting research specialist in Agriculture, is a new Academic Professional (AP) as of 12/9/97 working with **Dick Warner**, associate professor of natural resource ecology. Arlo has a 50% NRES appointment. His new office and phone number are: 305-350 Burnsides Laboratory, MC 642; 217/333-9073.

Guangqin Shi, research specialist in agriculture, is also a new AP as of 12/10/97. She has a 100% NRES appointment and is working with **Michelle Wander**, assistant professor of soil fertility/ecology. Guangquin's office and phone number are: C228 Turner Hall, MC 047 217/333-9349.

Say hello to **Mark Bretthauer**, senior in agricultural and consumer economics, who is working with **Steve Tondini**, network analyst this semester. Mark is in the ACE accounting option and just finished a six-month internship with the Illinois Agricultural Auditing Association in Bloomington.

EXPLORE ECOSYSTEM MANAGEMENT
What is an ecosystem? What is ecosystem management? You can find the answers to these question on the www page created by **Mary Lowry**, research specialist in agricultureand **Karyn**

McDermaid, research specialist. Explore web site: *http:www.aces.uiuc.edu/~nres/research/eco/esm.htm* to gain a better understanding of ecosystem management for agricultural and natural lands. Explore the biological, physical and social elements related to land management issues , which illustrate the interconnections that link these elements, and provide practical suggestions for designing ecosystem management plans for Midwestern landowners.

Suggestions and comments about the web page can be sent to *lowry@uiuc.edu* or *karynk@uiuc.edu*

STADIUM TURF CONSULTANT
Hank Wilkinson, professor of turfgrass, is the lead turf consultant for the construction of the new retractable dome baseball stadium in Milwaukee (Brewers) and Seattle (Mariners). Hank was also the lead consultant for the change from artificial turf to natural turf on the Cardinals' home field in St. Louis, Missouri.

Conferences & Travels

EDGINGTON TALKS TREES
John Edgington, senior research specialist in forestry, and his two assistants, **Steve Tondini** and **Jeremy Shafer** gave a presentation on Winter Tree Identification on December 14, 1997 at the Urbana Park District Anita Purves Nature Center.

WILKINSON TAKES SABBATICAL IN MONTANA
Hank Wilkinson, professor of turfgrass, will be on sabbatical leave from the Department January through June of 1998. He will work with Professor Joan Henson, Department of Microbiology, Montana State University in Bozeman. His sabbatical program will focus on molecular studies of the fungal genus, *Gaeumannomyces*.

TESTING NEW FERMENTATION SYSTEM
Hank Wilkinson has negotiated an agreement with the Eco-Soil Corporation of California to test a new fermentation system. This system allows beneficial bacteria to be cultured and injected into an irrigation system, for the purpose of applying the bacteria to turf for disease suppression. This system will be available for inspection at the 1998 Turf Field Day in August, 1998.

PROPOSAL TO SUPPORT TURFGRASS RESEARCH
Hank Wilkinson and **Andy Hamblin**, along with Richard Wagner, of Indiana University, Bloomington, Indiana, were invited to present their Strategic Research Initiative-Six (SRI-6) program to the Scotts Corporation of Marysville, Ohio. The Scotts Corporation is looking to establish close research ties with

the University of Illinois turfgrass research program and, in particular, support the development of turfgrass with greater disease resistance. Hank directs the SRI-6 proposal, entitled, "Bluegrass and Bentgrass Multifaceted Genetic Research: A 'New' Program for Illinois" which was funded for two years (1997-1999). Also participating on this proposal are Ed Lee of Summit Seeds, Peotone, Illinois; Gerhard Klooster, Barenbrug Seeds, Holland; and Professor Bill Meyer, Rutgers University, New Jersey.

SRI-6 ALSO TESTED IN OREGON

Hank Wilkinson and Richard Wagner, Indiana University, were invited to present opportunities for Pure Seed Testing, Inc. of Tangent, Oregon, to join the SRI-6 program. A proposal, entitled, "Genetic Modification of *Poa Pratensis* var. Midnight" was organized and informally agreed upon between Hand and Pure Seed Testing. A project contract between the University of Illinois and Pure Seed Testing is being finalized.

CHEESEMAN STUDIES COMMUNITIES IN TANZANIA

John Cheeseman, professor of plant biology, spent two months this past summer in the coastal zone of Tanzania. John studied the interactions between human communities and the mangrove forests, where they live and on which they depend for fuel and building materials (ranging from poles for house construction to beams and boards for boats). He visited everything from highly degraded to pristine forests and talked with villagers and scientists involved in empowering local management activities. He returned to Zanzibar for two weeks in December to take part in a workshop on ecology, physiology and management of mangroves, sponsored by the Swedish aid agency SAREC.

ENTOMOLOGISTS ATTEND MEETING

Mike Irwin, professor, **Gail Kampmeier**, research associate, **Steve Gaimari**, **Kevin Holston,** and **Mark Metz,** Ph.D. candidates, and visiting professor David Yeates, from the University of Queensland, all attended the Entomological Collections Network meetings held December 12-13, 1997 in Nashville, Tennessee before the Entomological Society of America's (ESA) annual meeting.

Gail gave a presentation at the ESA meeting in Nashville, Tennessee entitled, "Aphid attraction and preference for virus infect plants" by Alberto Fereres, Gail Kampmeier, and Mike Irwin. Both Mike and Gail participated as judges in the student paper and poster competitions for the Presidents Prize.

At this meeting, Gail was also elected to the ESA Standing Committee on Membership and will be vice-chair in 1998. Mike represented Section C on the Editorial Board of the American Entomologist. Next year, the ESA and American

Phytopathological Society will meet jointly in Las Vegas, November 8-12, 1998. Many joint activities are planned, including a joint program symposium co-organized by Mike and Don Aylor on movement of vectors of plant pathogens.

TAKING THE REST OUT OF RETIREMENT
Walt Splittstoesser, professor of vegetable crops, who retired in 1997, reports in his year-end newsletter that retirement can be a busy time. He has traveled, taught summer school, painted the house trim (purple), worked at the County Fair, camped, gave his last paper in Atlanta (Plant Growth Regulation meetings), turned 60, cleaned out 35 years worth of collectibles, went coon hunting, got snowbound in Wisconsin, took a cruise, saw some flying fish, and is now in Texas enjoying South Padre Island through January 1998. And you thought you were busy...!

NEW SICK LEAVE POLICY
As a part of the legislation enacting changes to improve retirement benefits for Universityemployees, changes regarding compensable sick leave accrual were enacted into law. Pending approval of the revised University policies by the Board of Trustees at their January 1998 meeting, the following policy revisions will be implemented in January 1998.

Effective the pay period that begins January 11, 1998, Civil Service employees will no longer earn compensable sick leave. Sick leave earned before January 1, 1984, and after January 11, 1998, will be non-compensable and shall be used in full before compensable sick leave earned between January 1, 1984 and January 10, 1998. The policy is described in Policy and Rules, Policy 10. This information can be viewed at: *http://www.uihr.uillinois.edu/policy/rules.html*

Questions concerning the revised policy for staff employees should be referred to Sue McCreery, Record Manager, Personnel Services at 333-0782 or *mmccreer@uillinois.edu*

Personals

Noel R. Onstad, father of **David Onstad**, professor of ecology, died suddenly on Monday, December 29, 1997 in Citrus Heights, California. The NRES Department extends condolences to David and his family.

Student News

STUDENT NEWS

NRES FOOD DRIVE A SUCCESS

Ame Moore and the **NRES Graduate Organization** thank everyone who donated food to the annual food drive last December. The food was distributed to the Center for Women in Transition, the Catholic Worker House, and the Eastern Illinois Food Bank.

Student Awards

Patrick Hofman, studying with **Bob Skirvin**, received funding from the JBT Undergraduate Research Committee of the College of ACES for his proposal entitled, "The Use of Gibberellins to Induce Flowering in Various Cucurbits (Cucurbitaceae)." Patrick will also receive a $500 merit scholarship to support his educational expenses.

Leslie Milliman, studying with **Bill Simmons**, was awarded a $500 merit scholarship and additional funding to support her research proposal entitled, "Degradation of Metolachlor Isomers in Soil."

NRES JBT SCHOLARS HONORED
Fifty-seven undergraduates in the College of ACES were recognized at the 1997 Jonathan Baldwin Turner Agricultural Scholarship banquet held last December. Eight of the undergraduates are Department of NRES students: Sarah Bucher, Stephanie Crandall, Jonathan Fisher, Robin Grom, Kelly Moran, Jennifer Smith, Kristina Twyning, and Maureen Wirtas. Congratulations to these students for receiving JBT scholarships

Publications

Baveye, P. and **C.W. Boast**. 1997. Fractal geometry, fragmentation processes and the physics of scale-invariance: An introduction. Fractals in Soil Science. Philippe Baveye, Jean-Yves Parlange, and Bobby A. Stewart. Ed. CRC Press LLC. pg. 1-54.

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Tematio, P., and **K.R. Olson**. 1997. Impacts of industrialized agriculture on land in Bafou, Cameroon. Journal of Soil and Water Conservation. 52:405-406.

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Sabaj.M.H., K.S. Cummings, and **L.M. Page**. 1997. Annotated catalogue of type specimens in the Illinois Natural History Survey Fish Collection. Illinois Natural History Survey Bulletin 35 (5):253-300.

Ceas, P.A. and **L.M. Page**. 1997. Systematic studies of the *Etheostoma spectabile* complex (Percidae; subgenus *Oligoecephalus*), with descriptions of four new species. Copeia 1997 (3):496-522.

Smith-Sebasto, N.J. 1997. Education for Ecological Literacy. In P. Thompson (Ed.) Environmental Education for the 21st Century: International and Interdisciplinary Perspectives. New York: Peter Lang. 279-288.

Smith-Sebasto, N.J. 1998. The Pros and Cons of Research in Environmental Education. In H.R Hungerford, W.J. Blumn, T.L. Volk, & J.M. Ramsey (Eds.) Essential Readings in Environmental Education. Champaign, IL: Stupes Publishing. 273-291.

Calendar of Events

Jan. 16	WWW Training on Course Homepages W121 Turner Hall
Jan. 19	Martin Luther King Day Campus closed
Jan. 20	Instruction Begins
Feb. 6	3-5:00 ACES Faculty, TBA
Feb. 10	1-3:00 p.m. NRES Faculty Meeting, EASB Auditorium
Mar. 4	9-11:00 a.m. NRES Faculty Meeting TBA
Mar. 6	3-5:00 p.m. ACES Faculty, TBA
Mar. 12-13	Chicago Flower Show
Mar. 13-14	ACES Open House
April 16	5:30 p.m. Gamma Sigma Delta Initiation & Banquet Illini Union Ballroom
April 23	5:30 p.m. ACES & Paul A. Funk Recognition Award Program
April 24	3-5:00 p.m. ACES Faculty Meeting
April 27	5:30 p.m. Campus Instructional Awards Banquet; Illini Union Ballroom
May 3	12:00 noon ACES Student Awards Banquet Illini Union Ballroom
May 16-17	Commencement Weekend

Happy New Year, Everyone!

Credits

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In this issue:

Upcoming Events
Faculty News
Calendar of Events
In the News
Conferences & Travels
Personals
Student News
Notice to Faculty and Staff
Publications

February: Of Presidents, Hearts, and Flowers
"Love is the joy of the good, the wonder of the wise, the amazement of the gods."
Plato, The Symposium

Focus on Ecosystem Partnerships
Gary L. Rolfe delivered the keynote address January 24 at the Conservation 2000 Ecosystem Partnership Conference in Springfield. Sponsored by the Illinois Department of Natural Resources, the one-day conference gathered 250 participants to discuss ecosystem programs and partners for Conservation 2000. Gary's talk focused on the College of ACES' organization; the role of the NRES Department, including its two umbrella programs in ecosystem management and urban resource management; and ecosystem management and partnerships.

NRES Scholarships Available
NRES faculty are encouraged to assist students applying for NRES scholarships. **Dianne Noland**, chair, NRES scholarship committee, recently sent a letter to all NRES undergraduates informing them of available scholarships. Application deadline is March 6, 1998. If you would like to review available scholarships, a list with a brief description of each category is available in the Academic Office, W511 Turner Hall. Or you can view them on the NRES home page at:
www.aces.uiuc.edu/~nres/undergraduate/scholarships.html

ACES Campaign Advances
Lynette Marshall, associate dean and director, ACES Advancement Office, reported to the ACES Developmental Policy Committee that the College has received pledges of $96,363,000 or 124 percent of the original goal of $75,000,000.

Bruce Branham, NRES associate professor and member of the ACES Developmental Policy Committee, commented that "This year's increase in pledges shows the strength of our college and the excellent job being done by Lynette Marshall and her staff."

ACES Library Plans Look Up, Up...
Also making big news for ACES Advancement was the approval of a $9.5 million grant for construction of the College's new library/information center. Gov. Jim Edgar appeared on campus February 4, 1998, to make the announcement before University and ACES representatives, including University President James Stukel, Chancellor Michael Aiken, ACES Dean David Chicoine, and ACES Associate Dean Lynette Marshall.

WWW Workshop for Nres Faculty
The NRES home page seminar for posting ACES courses attracted 35 faculty and staff on January 16, 1998. Led by John Schmitz, assistant professor and director of the AIM Lab, and George Stephen, an undergraduate assistant in the AIM Lab, the morning seminar introduced attendees to HTML and provided a basis for creating a virtual classroom.

For a sample class homepage and steps to get you started, visit the informational website at *http://w3.aces.uiuc.edu/aim/nres*. Call the AIM Lab with any additional questions or technical support at 217/244-2291.

Upcoming Events

Internship Open House Feb. 20
NRES will host its first Internship Open House on Friday, February 20, for NRES students and invited company representatives. Students will have the opportunity to meet with various companies who will discuss their programs and internship possibilities. Among the companies attending will be Ball Horticultural Company, who will conduct formal interviews for its summer internship program.

The Open House is scheduled from 9 a.m.-3 p.m. in W121 Turner Hall (1102 S. Goodwin Ave.). If you know of companies, agencies, and organizations who should be invited, contact **Karen McDermaid**, research specialist and coordinator, internship program. Karen is especially interested in Illinois employers who typically hire more than one summer intern.

Faculty should encourage students to mark Feb. 20 on their calendars and attend sometime during the day. A sign-up sheet will be posted in advance for NRES students.

Risk Management Courses

Steve Becker, associate professor of environmental studies, UI-Springfield, announces the availability of three spring 1998 risk courses: ENS 521 (4) Environmental Risk Assessment; ENS 526 (4) Risk Management and Communication; and ENS 527 (4) Project Management. You can contact Steve for more information at 217/786-6720, write to him at *becker.steve@uis.edu* or visit his web site at *http:www.uis.edu/risk*

NRC Research Associateships 1998
The National Research Council announces the Postdoctoral Research Associateship Programs for 1998. Applications are sought for postdoctoral and senior research associateships. Information as well as application materials may be obtained from the: NRC Associateship Programs (TJ 2114/D2), 2101 Constitution Avenue, NW; Washington, D.C. 20418. Deadlines for application are April 15 and August 15, 1998.

Specialty Growers Convention
Following the successful 1998 Illinois Specialty Growers Association Convention and Trade Show at Pheasant Run Resort in early January, the NRES Department agreed to assume responsibility for this event in 1999.

Bill Shoemaker, senior research specialist in food crops, will be the department's point person along with **Mary Lowry**, research specialist in agriculture. A number of faculty will provide leadership for specific educational program areas. If you would like more information on the 1999 Illinois Specialty Growers Convention, please contact Bill at 630/584-7254.

Various NRES faculty, along with Department Head Gary Rolfe, took part in the recent Convention and Trade Show, held in St.Charles, Illinois.

Schuyler Korban, professor of plant genetics, gave a presentation on new disease-resistant apples developed from the Illinois apple breeding program. Educational sessions concentrated on commercial fruit, vegetable, herb and ginseng, involving producers as well as irrigated growers in Illinois.

Why Buy Recycled Goods?
Pam Walkenbach, visiting extension NRES specialist, solid waste, announces the upcoming Buy Recycled Training Seminar at the Hyatt Regency in Chicago, Illinois, February 24 and the Holiday Inn East in Springfield, Illinois, February 26, 1998. Anyone interested in increasing the purchase of recycled products within their organization are encouraged to attend this one-day seminar. Please contact Kathleen Connors, executive director, Illinois Recycling Association, for registration and seminar information at: 708/358-0050; e-mail: *Ilrecycle@aol.com*

Faculty News

Korban Recognized
Schuyler Korban, professor of plant genetics, received a Citation of Appreciation from the American Society for Horticultural Science upon completion of his three-year term as an Associate Editor of the Biotechnology section of the Journal of American Society for Horticultural Science.

NRES Hosts French INRA Visitors
Schuyler Korban, professor of plant genetics, recently hosted French visitors, Dr. Michel Caboche, INRA-Versailles, and Dr. Bernard Charpentier, Scientific Attache', French Counslate, Chicago, January 19-20. The purpose of the visit was to discuss and develop joint ventures and collaborations between UIUC and INRA.

Meritorious Service Award
John J. Nicholaides III, assistant vice chancellor for research, received the Meritorious Service Award from the Agronomic Science Foundation at the American Society of Agronomy (ASA) annual meeting in Anaheim, CA this past October. He was honored for his four-year leadership as Chairman of the Board of the Foundation, creating a solid financial base on which the three professional societies, ASA, Soil Science Society of America, and Crop Science Society of America, served by the Foundation, can remain strong and responsive to the needs of their 12,000 members.

Stuck in the Air/stuck in the Mud
David Onstad, associate professor of ecology, was in the TWA airplane forced to circle above Champaign County for an extra hour on January 28. Down below, Air Force One pilots tried to fly President William J. Clinton and his party out of the Willard Airport mud after his talk at the Assembly Hall. Finally, another Air Force jet flew in, President Clinton flew out, and David's plane landed!

Conferences & Travels

11th International Plant Conference
The Eleventh International Conference on *Frankia* and Actinorhizal Plants will be held from June 7-11, 1998, on the University of Illinois at Urbana-Champaign campus. The conference is open to all those interested in this nitrogen-fixing symbiosis between the soil actinomycete *Frankia* and its root-nodulated host plants.

Papers and posters are invited on biological topics concerning

Frankia and actinorhizal plants including the ecology, molecular genetics, anatomy, genetics, biochemistry, cell biology, and physiology of *Frankia* and its host plants.

For further information about the International Plant Conference, contact **Jeff Dawson**, professor, tree physiology, at 217/333-9281 or via e-mail: *jdawson2@uiuc.edu* or contact Mr. Scott Miller, Office of Conferences and Institutes, University of Illinois, 202 University Inn, 302 East John Street, Champaign, IL 61820; 217/333-956; e-mail: *scmiller@staff.uiuc.edu*

Gertner Completes Project

George Gertner, professor of biometrics, was in Switzerland and Denmark during December to finish a long-term project on the assessment of uncertainty for a monitor-modeling system used to assess the health of high alpine forests. In Denmark he started work on developing computationally intensive statistical methods for the calibration of mechanistic forest growth and mortality models in order to account for uncertainty due to climatic factors.

Masiunas Talks to Hort Congress

John Masiunas, associate professor of horticulture, gave two invited talks at the Indiana Horticulture Congress, held January 26-27. John spoke to the group about "Successful Pumpkin Weed Management" and "Weed Control in Strawberries."

Skirvin Leads Group to South Africa

Robert Skirvin, professor of horticulture, along with 20 members of the International Agriculture Association, College of ACES, traveled to South Africa over holiday break on an agricultural tour.

The group departed December 31 and returned on January 18, 1998 after touring South Africa from Johannesburg to Cape Town. They toured wild life reserves, farms (dairy, chicken and eggs, hogs, trees, fruit and sugar cane) and related industries and found time to visit several agencies involved in helping the country's people with medical needs, agriculture and job training, and road access. **Georgine Paris**, research specialist in agriculture, reported after the trip that South Africa is a country of varied landscapes and people.

Smith-sebasto to Clemson

Nick Smith-Sebasto, assistant professor and extension specialist, environmental education, will serve as a faculty consultant for the Advance Placement (AP) Reading in Environmental Science by the Educational Testing Service. Nick will travel to Clemson University this June to join colleagues in reviewing the free-response sections of the Environmental Science AP test.

Gypsy Moth Forum
Lee Solter, assistant professional scientist, NSRL, and **Joe Maddox**, professor emeritus, insect pathology, NRSA, Center for Economic Entomology, along with Andreas Linde, visiting professor from Germany, and Daniela Pilarska, visiting professor from Bulgaria, attended the Ninth USDA Interagency Gypsy Moth Research Forum in Annapolis, Maryland, January 20-23. Lee presented an invited paper entitled "Laboratory and field studies used to evaluate host specificity of gypsy moth microsporidia" authored by Lee, Joe, Daniela Pilarski, and Mike McManus, project leader with the USDA Forest Service, Northeastern region and collaborator on INHS projects. These four individuals also presented a poster "Microsporidia from gypsy moth populations in Bulgaria."

In The News

Mike Irwin, professor of pest management, will talk with Channel 3 Ag Reporter Colleen Callahan (an ACES ag comm alum) during a live radio broadcast at 12:47 p.m. February 17. Colleen will interview Mike about stiletto flies and the role of these soil-dwelling predators in agroecosystems. You can hear them on radio station WMBD.

Science sleuths are "Zeroing in on corn rootworms," as reported in the Sunday, January 25, 1998 issue of The News Gazette. "We're trying to wrestle control from the beetles," said **Joseph Spencer**, a postdoctoral student, who's working on that problem with **Eli Levine**, associate professor of entomology, **Scott Isard**, associate professor, and **David Onstad**, associate professor of ecology.

Eli Levine and **Joseph Spencer**, entomologists with the Illinois Natural History Survey and NRES, along with **Michael Gray**, associate professor and extension specialist in entomology, were recognized in the article, "Behavior change could make rootworm spread 'ecological disaster of the decade'," in the Illinois Agrinews, January 23, 1998.

Joseph Spencer was quoted in the article, "Cheap control for corn killer comes at ideal time," in The Sunday Journal, January 25, 1998. Joseph is researching the corn problem and says, "It's a shift that threatens the efficacy of corn-soybean crop rotation."

Joseph was also mentioned in the article, "Rootworm adaptation worries corn farmers," in the Jacksonville, Illinois, Journal-Courier, January 17, 1998. He states, "This is a major shift in the behavior of rootworms."

Personals

Welcome Claire Elizabeth
Barry Dickerson, ACES Advancement Office, welcomed Claire Elizabeth to the family Wednesday, January 21, Little Claire (6 lbs., 14 oz.) joins sister Mary Evans. Congratulations to Barry, his wife, Elizabeth, and their future ACES undergraduate students.

Nancy Slaton Will Retire
Nancy Slaton, NRES secretary, ERML, announced her retirement, effective February 27, 1998, after 38 years at the University of Illinois. When asked about her career on campus, Nancy said she started in the Physical Plant (now O. & M.) 10 days after graduating from high school and worked there until 1961. After maternity leave with her first child, she returned to work at Veterinary Medicine, where she worked until 1967.

Nancy quit the UI and returned a short time later to the former horticulture department until 1968 when she moved to Texas. In 1970, Nancy returned to Urbana and rejoined UI in Physical Education in Freer Gym. In 1974, she returned to horticulture to work for Arlene Wakefield and Joe Vandemark.

Nancy said she worked for 17 years in the quaint little building known and loved by many, Vegetable Crops, in Room 101. She moved to ERML in 1991.

"I've seen a lot of changes over the years, some good, some bad, but overall," she says, "I remember working with a lot of wonderful people. I have many grand memories of my career at the UI."

Nancy is looking forward to getting two new knees, and, hopefully, feeling lots better. She wants to enjoy retirement, spend time with her grandson, Christian, and go to Mexico in the fall to visit her niece. The faculty and staff in NRES wish Nancy all the best on her retirement. Congratulations on 38 years of service, and we hope fun, at the UI.

Condolences

Wilma "Billie" Spomer, a former biochemist at the UI, died January 23 at Provena Covenant Medical Center, Urbana. Billie graduated from Colorado State University with a bachelor's degree in biochemistry and from Cornell University in Ithaca, N.Y., with a doctorate in biochemistry. She received a master's degree in tax accounting from the UI. She was a biochemist for the UI for 20 years and a tax preparer for H. & R. Block for five years.

Survivors include her husband, **Art Spomer,** professor of plant physiology and associate department head; her mother, three sons; a brother; and a sister.

Memorial services were held Monday, January 26, 1998 at the New Covenant Church, Champaign, Illinois. Memorial contributions may be made to the American Cancer Society, Covenant Hospice, or the CU One to One Mentoring Scholarship Fund.

Student News

Leslie Heffron is a Ph.D. candidate who recently joined **Schuyler Korban's** lab. Leslie holds a JBT Graduate Fellowship and will work in the area of plant biotechology/molecular biology with Schuyler, NRES professor of plant genetics. Welcome to Leslie.

Sami Kamal, graduate student working with **Schuyler Korban**, successfully passed his Ph.D. preliminary exam with flying colors. On to the finals!

NRES student **Paul Fish** is looking for immediate employment in the department. He is eager for experience and willing to do anything. If you have an opening in your lab or program, Paul at: *p-fish@students.uiuc.edu*

Matt O'Neal, graduate student with NRES Affiliate **Mike Gray**, received the 1998 William H. Luckmann award for student research in Insect Pest Management. Matt is a Master's Degree student in entomology. His research centers on "An Economic Threshold for Western Corn Rootworms in Soybeans for the Protection of Rotated Corn." This research was conducted in 1996-97. The award presents Matt with travel funds to the NCB of the ESA meeting in Sioux Falls, SD.

Notice to Faculty and Staff

Sherla Carpenter received a notice from the Grants & Contracts Office regarding the unusually high number of proposals being submitted after the internal deadlines from NRES. The GCO would like to ask for your assistance in making the best use of their resources. The internal deadlines are five business days prior to the due dates, when they occur on the first or fifteenth of the month and three business days for other off-cycle due dates. The GCO also asks for advance notice of pending proposals.

In response to the message Sherla has requested submitting preliminary budgets to her no later than 7 business days prior to

the due date if on the first or fifteenth of the month and 5 business days prior for other off-cycle dates. Any budgets received after that date will not be forwarded to the GCO for approval. Even though these proposals are sent electronically they still require a paper copy to follow for the department, Office of Research, GCO and the agency. Transmittal forms will not be signed by Gary Rolfe until the budget has been reviewed in hard copy by Sherla. Thanks for your cooperation.

Publications

Gaston, G., **S. Brown**, M. Lorenzini, and K.D. Singh. 1998. State and change in carbon pools in the forest of tropical Africa. Global Change Biology. 4:97-114.

Delaney, M., **S. Brown**, A.E. Lugo, A Torres-lezama, and N. Bello Quintero. 1997. The distribution of organic carbon in major components of forests located in five life zones of Venezuela. Journal of Tropical Ecology. 13:697-708.

Darmody, R.G. and C.E. Thorn. 1997. Elevation, age, soil development, and chemical weathering at Srorbreen, Jotunheimen, Norway. Geografiska Annaler. 79 A (4) :215-222.

Parysow, P. and **G.Z. Gertner**. 1997. Virtual experimentation: Conceptual models and hypothesis testing of ecological scenarios. Ecological Modeling 95:59-71.

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Gertner, G.Z., X. Cao and D. Pelz. 1997. Estimation of forest diversity with misclassification. IN: Proceedings of Conference on Assessment of Biodiversity for Improved Forest Planning. Monte Verita Switzerland. Sponsor by Swiss Federal Institute of Forestry, Landscape and Snow Research, Birmensdorf Switzerland; and European Forest Institute, Finland.

Kushad, M. 1998. Apple cultivars for Illinois. Trans. Illinois Horticulture Society. 131:1-4.

Kushad, M., T. Bratsch, and W. Whitside. 1998. Crop development summary. Trans. Illinois Horticulture Society. 131:20-22.

Kushad, M. 1998. History of the fruit industry in Illinois. Trans. Illinois Horticulture Society. 131:34-40.

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Clapp, D.F., Y. Bhagwat, and **D.H. Wahl.** 1997. The effect of thermal stress on Walleye fry and fingerling mortality. North American Journal of Fisheries Management 17:429-437.

Claramunt, R.M., J.J. Parkos, III, R.J.H. Hoxmeier, and **D.H. Wahl.** 1997. Pike biology and exploitation. Book Review. Transactions of the American Fisheries Society 126:544-545

Calendar of Events

Feb. 10	1-3:00 p.m. NRES Faculty Meeting, EASB Auditorium
Mar. 4	9-11:00 a.m. NRES Faculty Meeting W121 Turner Hall
Mar. 6	3-5:00 p.m. ACES Faculty, TBA
Mar. 14-22	Chicago Flower Show
Mar. 13-14	ACES Open House
Mar. 21-29	Spring Break
Mar. 27	Campus closed
April 6	10-12:00 NRES Faculty meeting W121 Turner Hall
April 16	5:30 p.m. Gamma Sigma Delta Initiation & Banquet Illini Union Ballroom
April 23	5:30 p.m. ACES & Paul A. Funk Recognition Award Program
April 24	3-5:00 p.m. ACES Faculty Meeting
April 27	5:30 p.m. Campus Instructional

	Awards Banquet; Illini Union Ballroom
May 3	12:00 noon ACES Student Awards Banquet Illini Union Ballroom
May 16-17	Commencement Weekend

Credits

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 3, March 1998
University of Illinois at Urbana-Champaign

In this issue:

Upcoming Events
Faculty News
Calendar of Events
In the News
Conferences & Travels
New Faces
Hort Club
Plant Care Facility
Publications
Mid-Term Graduates

If March comes in like a lion, can spring be far behind?

Students Named to Phi Kappa Phi Congratulations to the following NRES students who were recently tapped for membership in the National Honor Society of Phi Kappa Phi:

Juniors

Karen Pauline Brook
Kyle Dennis Landwehr

Seniors

Holly Susan Schreiber
Joanne Elizabeth Vokoun
Jessica Lynn Westin
Joseph Andrew Zimmerman

These outstanding students successfully met the qualifications for membership in one of the following categories:

- Juniors having 72 to 89 graded hours with a cumulative GPA of at least 3.75 and scholastic rank in the upper 5% of their class;
- Seniors having 90 or more graded hours with a cumulative GPA of at least 3.50 and scholastic rank in the upper 10% of their class.

Smith Elected President Mary Ann Lila Smith, professor of plant physiology, and associate department head, was elected President of the Society for In Vitro Biology (SIVB). She

traveled February 27 through March 1 to Annapolis, MD, to attend the SIVB board meeting as President-elect.

Don't Miss the ACES Open House
Mark your calendars for the ACES Open House, March 13-14, 1998. Once again, the Department of NRES will be represented with innovative educational displays coordinated by **Mike Bolin,** extension specialist, forestry, in the Stock Pavilion. Other NRES displays will be offered in PSL.

Daniel F. Dayton Lecture April 7
Charles M. Rick Jr. will deliver the 1998 Daniel F. Dayton Memorial Lecture Tuesday, April 7, at 4:00 p.m. in the National Soybean Research Laboratory Auditorium (Room 149 EASB). Dr. Rick is professor emeritus, Department of Vegetable Crops, University of California, Davis, California and a Fellow of the American Society for Horticultural Science. The recipient of numerous international awards, he has spent decades researching the natural history and genetics of the tomato and has made seminal contributions to germ plasm collecting and plant genetics, cytogenetics, and breeding.

Dr. Rick will give a second lecture on Wednesday, April 8 at 11:00 a.m., also in the NSRL auditorium. The talk will be followed by a graduate student only lunch (free pizza) in room 240 EASB. This presentation will focus on Dr. Rick's personal knowledge of many of the world's best known geneticists with whom he has worked during his lively and lengthy career.

The Daniel F. Dayton Memorial Lecture series is funded by the Dayton Family as a memorial to former horticulture professor Daniel Dayton. The lectures are coordinated by **Tony Endress**, professor, and committee members **Jack Juvik**, professor of plant genetics, **Schuyler Korban**, professor of plant genetics, and Fred Kolb, crop sciences.

Senator Penny Severns, 1952-1998
"In my travels, I found that each nation has different goals and different obstacles to development that were shaped by the vagaries of history and experience. Yet as I talked to people around the world, I was impressed not by the diversity but by the closeness of our goals, desires, concerns, and hopes for the future."

The above words were written by State Senator Penny Severns in an article for International Agriculture Update, published by the College of ACES in 1989 (vol. 4, no. 1). NRES Professor John J. Nicholaides III, past director of the former ACES Office of International Agriculture, recalled Senator

Severns' commitment to education in developing countries.

In the article, Senator Severns stated that, "Indeed, the lack of technology and education plays a key role in the problems facing developing countries." She felt that UIUC, "...with firm support from the Illinois General Assembly and governor, is taking an active part in changing the agricultural outlook in less developed countries.Education is the key in the battle against world hunger and UIUC is making marked progress," she concluded.

Severns' died on February 21, 1998. She was first elected to the Illinois Senate in 1986 and was a public servant devoted to bettering the lives of men, women, and children. Her political interests ranged widely and included service with the Agency for International Development within the U.S. State Department, extensive foreign travel, and an opportunity to serve as the AID representative at the Camp David Peace Accords. Memorial services for Senator Severns were held in on February 24.

NRES Web Page Update

Faculty members who wish to update or change their faculty page on the NRES web site have several options. If the changes are minor, you can print out the page and mark the minor corrections on hard copy. If the changes are major, you can submit the material electronically or on disk with hard copy as well. This is the procedure we've used in the past two years.

These additions/corrections should be sent to **Mary Lowry**, NRES research specialist (*lowry@uiuc.edu*), who recently accepted a quarter-time appointment to coordinate the department web site with **Anita Povich**, communications specialist, and Laura Hayden, who remains as the NRES web master, *lhayden@uiuc.edu*.

Mary's initial responsibilities are to: 1) revise course and rubric numbers on the NRES home page, 2) add all NRES affiliate faculty to the web pages, 3) update all curricula materials, and 4) refine existing data.

Faculty members who wish to create a course home page should consult with John Schmitz in the ACES Aim Lab, or plan to take the hands-on session to be offered in late spring by NRES (date to be announced). Continuing with the current policy, NRES is unable at present to offer individual service for creation of entire pages and course sites. Once we've carried out the delegated departmental tasks, we hope to provide other specialized services to faculty.

-- *Anita Povich*

Upcoming Events

Chicago Flower Show March 14
Dave Williams, professor and extension specialist in horticulture, once again will travel north to exhibit at the Chicago Flower Show. The event will take place March 14-22 at Chicago's Navy Pier. Assisted by NRES students and Extension Master Gardeners from Cook County, Dave will set up a display at the event. Other faculty attending the event with their NRES 247 students are **Dianne Noland**, NRES teaching associate, and **Jim Schmidt**, extension horticulturist.

Tri-State Forest Stewardship Conference Set For March 28
Mike Bolin, extension specialist, forestry, **Mary Lowry**, research specialist in agriculture, and **Judy Stoll**, NRES secretary, are hard at work planning the fourth annual Tri-State Forest Stewardship Conference, scheduled for Saturday, March 28, 1998, at Sinsinawa, Wisconsin. The conference is a cooperative effort between the extension foresters in Illinois, Iowa, and Wisconsin. According to Bolin, the conference offers landowners a day of educational topics dealing with land stewardship and is well attended every year.

This year's topics include raptors of the tri-state region (with live birds), woodland wildflowers, chain saw use and safety, tree identification, maple syrup and products, silviculture, tree planting and direct seeding, wildlife monitoring and much more. **Jeff Dawson**, professor of tree physiology, and **John Edgington**, senior research specialist in forestry, will be speakers this year. Registration is open until March 11. To register contact Mary (*lowry@uiuc.edu*) or Mike (*m-bolin@uiuc.edu*).

Faculty News

Sustainable Ag Handbook
Advancing Sustainable Agriculture Through Small Group Discussions; A guide for group leaders and members, is a 175-page handbook available from Editor **Deborah Cavanaugh-Grant,** extension/ research specialist in agriculture. The handbook is a collection of materials to help group discussion leaders form study circles, review past discussions on the topic, offer tips on organizing groups, provide suggestions on strategic questioning, offer help on adapting materials, and provide practical steps such as worksheets, study reports, and situations that have worked for others. Copies are $25 per copy and available by writing Deborah at P.O. Box 410, Greenview, IL 62642.

NRES Holds Internship Open House
NRES partnered with company and organizational representatives

to present the department's First Internship Open House on February 20, 1998. Over 100 students turned out to discuss internship possibilities with Ball Horticultural Company, Chalet Landscaping Division (Representative Robert Milani is an ACES/NRES alum), Hendricksen the Care of Trees, and the Champaign County Forest Preserve District. Also taking part were the Illinois Department of Natural Resources, Illinois Natural History Survey, AmeriCorps, ACES International Program, and ACES Placement Office.

Ball Horticultural Company also presented a program February 19, with an emphasis on career opportunities with Ball. Representing the company were Becca Sexton, human resources representative, Bill Doeckel, marketing director and ACES/NRES alum, and Derek Schrof, regional sales manager, also an ACES/NRES alum. Interested students were able to schedule follow-up interviews with Ball.

The successful first-ever event was coordinated by **Karyn McDermaid**, NRES research specialist/internship coordinator, with assistance from **Mary Lowry**, research specialist, and **Joyce Canaday,** administrative aide.

Students Author Booklet "Training Small Fruits," a fall semester 1997 class project prepared by students in NRES 261, Small Fruits and Viticulture, is off the press! The booklet was supervised by **Robert M. Skirvin**, professor of horticulture, and is available for viewing in the undergraduate library (or Bob will show you a copy).

The booklet of term papers, meant to be used by future students of the course, is the third such effort from Bob's class. The ACES Office of Academic Affairs provided funding for this year's publication.

New Environmental Info Sheets
A set of Environmental Issues information sheets, authored by **Nick Smith-Sebasto**, assistant professor and extension specialist, environmental education, is available for viewing on the Department of NRES website. These informative topical sheets are designed for Illinois residents interested in learning more about the following subjects: *Sustainable Development, Environmental Education, The Greenhouse Effect, Electric Lawn Mowers, El Niño, La Niña, and the Southern Oscillation, and Global Warming/Global Climate Change.*

The NRES website is: *http://www.aces.uiuc.edu/~nres/* The Environmental Issues information sheets are found on the Outreach page. Nick will feature the new publications in an outreach display at several upcoming events, including the Illinois Renewable Natural Resources Conference in Springfield, March

4-6, 1998, the Grundy County Environmental Fair in Morris, March 14, and the Chicago Flower Show.

Conferences & Travels

Appleby Takes Bite on Mites Jim Appleby,
research associate professor, presented a talk on "Insects and Mites Attacking Christmas Trees" to the Illinois Christmas Tree Association at its winter meeting, February 20-21 in Peoria, Illinois.

Gardening in the Water Jim Appleby
gave a presentation depicting "Gardening in the Water" at the Home Show, February 28 and March 1, at the Urbana National Guard Armory.

Biazzo Presents Paper Jeromy Biazzo,
made a presentation on "The Use of Cover Crop and Living Mulches for Snapbean Production" at the Midwest Food Processors meeting, February 24, 1998, in LaCrosse, Wisconsin. Jeromy is pursuing graduate studies with **John Masiunas**, associate professor.

Chow Meets with Kenaf Society Poo Chow,
professor of wood science, gave an invited presentation on two topics at the First Annual Meeting of the American Kenaf Society on February 26-27 in San Antonio, Texas. Poo's technical papers were: "Injection molded plastic composites from recycled plastics and Kenaf fiber" and "Effects of row spacing and cultivar of the growth of Kenaf in central Illinois."

NRES Faculty Cover Ground
NRES faculty took part in the 16th Annual Southern Illinois Grounds Maintenance School, Feb. 25-26, 1998, in Carlinville. The school offered sessions on a variety of topics, including landscaping with wildflowers, new trees for the 21st Century, annual bluegrass management in golf greens, root growth in urban soils, perennials and woody plants, cicadas and other sap-feeding insects, techniques for pruning trees, and small landscape gardens.

UI faculty included **Bruce Branham**,
associate professor, **Dave Williams**, NRES professor and extension specialist, **Phil Nixon**, extension entomologist, **Floyd Giles**, professor of horticulture, and Nancy Pataky, Crop Sciences. The school is sponsored by UI Extension, the Southern Illinois Nursery Association, the Southern Illinois Golf Course Superintendents Association, and the Southern Illinois Grounds Maintenance Association. The proceedings from this year's school were edited by **Dave Williams** and formatted by **Mary**

Ruth Getz, NRES secretary.

Fruit and Vegetable Advisory Board Meets on Campus
The Illinois Fruit and Vegetable Industry Research Advisory Board held a meeting on Thursday, February 19 on campus. The industry representatives discussed their concerns and research priorities with NRES faculty **Catherine Eastman, Jeff Kindhart, Mosbah Kushad, John Masiunas, Bill Shoemaker,** and **Bob Skirvin,** Gary Heichel, Crop Science department head, also met with the group.

Rebeiz Delivers Lecture Constantin A. Rebeiz,
professor, delivered an invited lecture at Kansas State University, entitled, "The Greening Process and Bioengineering of Photosynthetic Membranes," on February 4, 1998.

Smith Invited to Natcol '98
In other activities, **Mary Ann Lila Smith** traveled to Tampa, Florida February 9-11 to present an invited presentation to the Natural Colors and Flavors Conference (NatCol '98) on bioreactor production.

In The News

Woods and Timber Cutting Mike Bolin,
extension specialist, forestry, recently presented a program on woods and timber cutting at the 51st Annual Board Meeting of the Kankakee Soil and Water Conservation District in Kankakee, February 5. His talk was featured in the Kankakee Journal under the header, "Stump speech sells silvaculture."

Nature, the Nurse
From the January-February issue of "Environment and Behavior" to a web site feature on the Environmental News Nework -- this is one of ways in which the research of **Frances Kuo**, visiting assistant professor, and **William Sullivan**, assistant professor, is reaching various audiences. The findings of Kuo and Sullivan, co-directors of the Human-Environment Research Laboratory, confirm the power of the outdoors "as healer." Their research, based on work in Chicago's Ida B. Wells housing development, is featured on the Environmental News Network at: *www.gateway-va.com/pages/science/backstry/0219main.htm*

Another example of the interest in their work was a recent television program on Louisiana Public Broadcasting depicting some of their research at Chicago's Robert Taylor Homes, the largest public housing development in the world. Frances and Bill studied how well the residents of Robert Taylor were doing in their daily lives, based on the amount of contact they had with the pocket of trees found here and there among the twenty-eight 16

story apartment buildings. The LPB web page describes their findings and include some good pictures: *www.lpb.org/programs/forest/chicago.html*

In other related coverage, an article in the Richmond Time-Dispatch, Richmond, Virginia, states, "There is a growing body of evidence that being in more natural places, or even in urban places that contain trees and grass, have profound impacts on people...very positive impacts." The team (Kuo and Sullivan) found that Chicago public-housing residents who lived near trees were less violent in their homes and had stronger ties to their neighbors.

Other media outlets covering this research are The Washington Post, Chicago Tribune, Chicago Sun Times, Providence Journal Bulletin, Dallas Enquirer, "All Things Considered," on National Public Radio, the Today Show, Nova, the Review of Research in Urban Forestry, and the Philadelphia Enquirer.

Oberly Defends Masters Amy Oberly
successfully defended her M.S. thesis and is now working for Federated Foods in the company's quality control laboratory.

Seminar Planning Committee Recognized
NRES is pleased to recognize members of the Seminar Planning Committee responsible for the success of the department's weekly series. Held each Monday at noon in Turner Hall, the weekly seminar provides NRES students and faculty with diverse speakers and topics in natural resources and environmental sciences. Committee members are: J.D. Chinea-Rivera, Richard Larson, Gil Mendoza, J.J. Nicholaides III, Mastura Raheel, Bill Simmons, Art Spomer, and Michelle Wander. Special recognition to Art Spomer for his innovative poster designs, week after week, and to Dorothy Badger for logistics and set-up.

Bottenberg Resigns Harry Bottenberg
has resigned his position as NRES postdoctoral research associate to take a position with a company in Juniper, Florida doing applied vegetable research and establishing integrated pest management programs. Harry worked with **John Masiunas**, associate professor, and **Catherine Eastman**, assistant professor

Toledo Passes Prelims Ulises Toledo,
graduate student with **Tony Endress**, professor of ecology, successfully passed his Ph.D. preliminary examination. Ulises now will focus on his dissertation research, "The Impact of Technology and Biotechnology Transfer on the Vegetable Industry's Competitiveness in Illinois."

New Faces

Amy Forbes,
research specialist in agriculture, began work with **Andrew Hamblin**, assistant professor in turfgrass, on February 21. With a 100 percent appointment, she will assist Andy in DNA fingerprinting of turfgrass and molecular markers associated with disease resistance. Stop by 1111 Plant Sciences Lab and welcome Amy.

Megan Nortrup,
research specialist in agriculture, joined **David Onstad,** associate professor, to conduct research on energy efficiency and sustainability in agriculture. Megan has a 100 percent appointment and began work on January 26, 1998. You can visit Megan in 228 ERML.

Welcome Claire Elizabeth
Barry Dickerson, ACES Advancement Office, welcomed Claire Elizabeth to the family Wednesday, January 21, Little Claire (6 lbs., 14 oz.) joins sister Mary Evans. Congratulations to Barry, his wife, Elizabeth, and their future ACES undergraduate students.

Nancy Slaton Will Retire
Nancy Slaton, NRES secretary, ERML, announced her retirement, effective February 27, 1998, after 38 years at the University of Illinois. When asked about her career on campus, Nancy said she started in the Physical Plant (now O. & M.) 10 days after graduating from high school and worked there until 1961. After maternity leave with her first child, she returned to work at Veterinary Medicine, where she worked until 1967.

Nancy quit the UI and returned a short time later to the former horticulture department until 1968 when she moved to Texas. In 1970, Nancy returned to Urbana and rejoined UI in Physical Education in Freer Gym. In 1974, she returned to horticulture to work for Arlene Wakefield and Joe Vandemark.

Nancy said she worked for 17 years in the quaint little building known and loved by many, Vegetable Crops, in Room 101. She moved to ERML in 1991.

"I've seen a lot of changes over the years, some good, some bad, but overall," she says, "I remember working with a lot of wonderful people. I have many grand memories of my career at the UI."

Nancy is looking forward to getting two new knees, and, hopefully, feeling lots better. She wants to enjoy retirement, spend time with her grandson, Christian, and go to Mexico in the fall to visit her niece. The faculty and staff in NRES wish Nancy all the best on her retirement. Congratulations on 38 years of

service, and we hope fun, at the UI.

Hort Club News

Hort Club members report they plan to attend two conferences in March: American Landscape Contractors Association in North Carolina, March 12-15, and Mid-American Colliegate Horticulture Society in River Falls, Wisconsin, on March 18-21.

Members are hard at work planning the Mom's Day Flower Show and Sale, April 25-26, in the Stock Pavilion.

Plant Care Facility

Jim Kramer,greenhouse coordinator, sent us a note reminding faculty and staff the Plant Care Facility (PCF) is a service unit of the ACES Office of Research that provides greenhouse space and a variety of other services, including planting, watering, pest control, fertilizing, soil mixing, stocking soilless mixes and common greenhouse and growth chamber growing supplies, for the college.

For more information on the services offered, supplies in stock, service charges, and operation policies, Kramer urges everyone to visit the PCF web site at: *www.aces.uiuc.edu/~pcf/*

Services may be requested on-line through the PCF web site or at the greenhouse using the familiar paper Project Request, Soil Request and Service Request forms. Stop by the greenhouse, call or e-mail Jim or **Bette Leach**, ag gardener foreman, anytime for assistance or more information:

j-kramer@uiuc.edu or *e-leach@uiuc.edu*

Publications

Castillo, B., **M.A.L. Smith,** and U.Yadava. 1998. Plant regeneration from encapsulated somatic embryos of Carica papaya L. Plant Cell Reports 17:172-176.

Chow, P., E.J. Barenburg, **R.J. Meimban**, **D.S. Bajwa**, D. Oliva, D.E. Otter, and A.S. Uppal. 1998. Shear and static bending stresses of bridge timber stringers. Technical Report No. R-911, Association of American Railroads, Transportation Technology Center, Pueblo, Colorado. 62 pages.

Christ, M.J. **M.B. David**, P.J. McHale, J.W. McLaughlin, M.J. Mitchell, L.E. Rustad, and I.J. Fernandes. 1997. Microclimatic

control of microbial C, N, and P pools in Spodosol Oa-horizons. Canadian Journal of Forest Research 27: 1914-1921.

Gertner, G.Z., X. Cao and D. Pelz. 1998. Estimation of forest diversity with misclassification. IN: Assessment of Biodiversity for Improved Forest Planing. Editors: Pachmann, P., Koehl, M., Paeivinen, R. Kluwer Academic Press, Dordrecht. 199-210.

Kuo, F.E., M. Bacaicoa, and **W.C. Sullivan**. 1998. Transforming inner-city landscapes: Trees, sense of safety, and preference. Environment and Behavior, 30 (1), 28-59.

Taylor, A.F., A. Wiley, **F.E. Kuo**, and **W.C. Sullivan**. 1998. Growing up in the inner city: green spaces as places to grow. Environment and Behavior, 30 (1), 3-27.

Shibli, R., M.A.L. Smith, and **M. Kushad**. 1997. Headspace ethylene accumulation reduces secondary metabolite production in Vaccinium pahalae cell culture. Plant Growth Regulation 23:201-205.

Van Deelen, T.R., H. Campa III, M. Hamady, and J.B. Haufler. 1998. Migration and seasonal range dynamics of deer using adjacent deeryards in northern Michigan. Journal of Wildlife Management 62:205-213.

Mayer, C.M. and **D.H. Wahl**. 1997. The relationship between prey selectivity and growth and survival in a larval fish. Canadian Journal of Fisheries and Aquatic Sciences 54:1504-1512.

Kolar, C.S., J.C. Boase, D.F. Clapp, and **D.H. Wahl**. 1997. Potential effect of invasion by an exotic zooplanktor, Daphnia lumholtzi. Journal of Freshwater Ecology 12:521-530.

Calendar of Events

Feb. 10	1-3:00 p.m. NRES Faculty Meeting, EASB Auditorium
Mar. 4	9-11:00 a.m. NRES Faculty Meeting W121 Turner Hall
Mar. 6	3-5:00 p.m. ACES Faculty, TBA
Mar. 14-22	Chicago Flower Show
Mar. 13-14	ACES Open House
Mar. 21-	Spring Break

29

Mar. 27	Campus closed
April 4	Vet Med Open House
April 6	10-12:00 NRES Faculty meeting W121 Turner Hall
April 7	4:00 p.m. Daniel F. Dayton Lecture
April 16	5:30 p.m. Gamma Sigma Delta Initiation & Banquet Illini Union Ballroom
April 23	5:30 p.m. ACES & Paul A. Funk Recognition Award Program
April 24	3-5:00 p.m. ACES Faculty Meeting
April 25	9-5:00 Hort Club Mom's Day Flower Show, Stock Pavilion
April 26	9-2:00 Mom's Day Flower Show
April 27	5:30 p.m. Campus Instructional Awards Banquet; Illini Union Ballroom
May 3	12:00 noon ACES Student Awards Banquet Illini Union Ballroom
May 16-17	Commencement Weekend
May 25	Memorial Day - Campus closed
June 19	Dedication of Japan House
Sept. 24	11:30 Scholarship Recognition Luncheon Bevier Spice Box
Oct. 17	NRES Alumni Homecoming

Mid-Term Graduates

December 1997 B.S. Degree

Biology

Enrico Paolo Bova - Advisor, Tim Marty

Gregory Rolland Forbes - Advisor, Tim Marty

Forestry

Aaron Paul Gersonde - Advisor, Gil Mendoza

Patrick James Heflin - Advisor, Tim Marty
Mark Roger Johnson - Advisor, George Gertner
Clayton Eric Kannaka - Advisor, Richard Brazee

Stephanie Ann Luehr - Advisor, Mark David

Adrienne Honor O'Neal - Advisor, Gil Mendoza
Robert William Parker - Advisor, John Edgington
Brian Paul Rempert - Advisor, D. Chinea
Joseph Jon Zopf - Advisor, Jeffrey Dawson

Horticulture

Susan Marie Aleman - Advisor, Robert Skirvin
Timothy Woodward Thompson - Advisor, Mark David

Ornamental Horticulture

Bradley Adam Beam - Advisor, Robert Skirvin
Matthew Charles Kregel - Advisor, Tom Fermanian
Spencer Scott Lund - Advisor, Bruce Branham
Kevin L. Manning - Advisor, Bruce Branham
Russell Mark Maulding - Advisor, Gary Kling
Scott Richard Mozingo - Advisor, Gary Kling
Carol Louise Sanecki - Advisor, Rebecca McBride
Amanda Sosnoski - Advisor, Gary Kling

Social Sciences

Stephanie Lee Strothoff - Advisor, Tim Marty

January 1998 M. S. Degree

Agronomy

Frederique Bichat - Advisors, Jerry Sims/Richard Mulvaney

Forestry

David A. Lincicome - Advisors, Alison Hill/Jeff Dawson

Horticulture

Barbara L. Collins - Advisor, Floyd Giles

Congratulations to the NRES Graduates.

Credits

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 3, March 1998
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
In the News
Conferences & Travels
Publications

Welcome to the Harmony of Spring!
....enjoy the Hort Club Flower Show April 25-26

Daniel F. Dayton Lecture—April 7
Be sure and attend the 1998 Daniel F. Dayton Memorial Lecture Tuesday, April 7, 1998 at 4:00 p.m. in the National Soybean Research Laboratory auditorium (room 149 EASB). Charles M. Rick Jr., University of CA, Davis, will give a lecture on "Chasing the Wild Tomato: Exploration, Conser-vation, and Utilization of Germplasm." A reception will follow in 240 EASB.

Dr. Rick will give a second lecture on Wednesday, April 8 at 11:00 a.m. also in the NSRL auditorium on, "Portraits from Memory: Reminiscing Early Days of Plant Genetics in the U.S."

Kaplan Seminar on April 7
Abram Kaplan, Ph.D., director of environmental studies at Denison University, Granville, Ohio, will give a seminar on "Think Locally, Act Care-fully—Reflections on Creating an Environmental Studies Program" at 12 noon, April 7, 1998 in room 426 Mumford Hall.

Welcome to Warnock
Daniel F. Warnock began his duties as assistant professor, floriculture crops/greenhouse production, Monday, March 23, 1998. Daniel will conduct a well-focused scholarly research program in the area of floriculture crop or greenhouse production and annually teach undergraduate courses in greenhouse management and floriculture production. His office is 1039 Plant Sciences Lab. His phone # is 244-9380. Stop by and welcome Daniel.

Mom's Day Flower Show
The **Horticulture Club** will present its 43rd Annual Mom's Day Flower Show and Sale April 25 and 26, 1998. The theme of this year's show is, "A World in Bloom." Garden ideas from around

the world will be on display. A wide selection of annuals, perennials, and hanging baskets will be available for sale during the show.

Something new this this year are educational seminars presented by faculty within NRES. There will be four seminars on Saturday, April 25 (10 a.m., 11 a.m., 1 p.m., and 2 p.m.) covering some very interesting horticultural topics. Show hours are 9-5 on Saturday, April 25 and 9-2:00 on Sunday, April 26. The show will be held at the Stock Pavilion, 1402 West Pennsylvania Avenue, Urbana. We invite all of you to attend this year's flower show and sale.

Graduates Receive Travel Grants
The Office of the Vice Chancellor for Research and Graduate College has notified three graduate students that they have received a Graduate College Con-ference Travel Grant for this year. Cory Rubin is awarded $100 to apply to the cost to attend the 1998 Annual Meeting of the Ecological Society of America. **Anne Kurilich** is awarded $100 to apply to the cost of traveling to the 1998 Annual Conference of the American Society for Horticultural Science. **Eric Kershner** will receive $40.00 to apply to the cost of travel to the American Ornithological Union con-ference. Congratulations to these students.

Retreat at Allerton
Mary Ann Lila Smith, professor of plant physiology, announced the agenda for the May 11-13 Functional Foods for Health Program Retreat at Allerton Park. NRES faculty who are members of the program, or are interested in joining, should contact Mary Ann for further information or a copy of the program. The agenda includes a graduate student poster competition with four prizes ($250 - $500) to be awarded. Abstracts are due April 27.

Alario Receives Fulbright
Maggie Alario, assistant professor, is the recipient of a 1998-1999 Fulbright award. This will fund a seminar and research in the summer of 1999 at the Universidad de la Republica, Montevideo, Uruguay. While in South America, Maggie will conduct research with Global Research on Environmental and Agricultural Network (GREAN).

Cavanaugh-Grant Wins Award
Deborah Cavanaugh-Grant, Extension/research specialist in agriculture, has received notification that she is the recipient of the Soil and Water Conservation Society Honor Award for 1998. Deborah will receive the award this summer at the 53rd Annual Conference of the Society in San Diego, California.

Aces Open House Events

NRES faculty set up a wide variety of displays at the March College of ACES Open House. A large crowd toured the displays in the Stock Pavilion and in the Plant Sciences Lab on both days, March 13 and 14.

Displays created by **Mike Bolin**, Extension specialist, forestry, were: "The Importance of Biological Diversity," "Working Trees for Agriculture," and "Tree Seedlings." Tree seedlings were given out by the Illini Foresters Club.

The display, "Using GIS to Study Vegetation Changes in Champaign County Since the 1800's," used the equipment and computer in **Danilo Chinea's** lab."How Reliable are Soil Nutrient Maps," was Tim Ellsworth's display.

"How Reliable are Soil Nutrient Maps," was **Tim Ellsworth's** display.

"Exploring Illinois' Natural Divisions," a six foot virtual reality tunnel designed by **Mike Jeffords**, associate professor of entomology, was a big hit with the large crowd of grade school students.

Jim Lang, assistant agronomist, was in charge of two displays. "Earthworms and agriculture" was the 5th edition of the earthworm exhibit. The display featured basic information about earthworm impacts on the environment and agricultural-related effects, soil mixing effects with three distinct soil types, a live composting display, and live pet earthworm handouts.

"Understanding Illinois Soils," a soils exhibit displayed at the Stock Pavilion, was set up to augment understanding of the soils we depend on for daily life. Featured in the exhibit were informative comparisons of prairie and forest-derived soil profiles, a general soil map, a discussion of Illinois loess deposits, textural determination, a hands-on soil texture determinations for three soil types and match soils quiz boards.

Phil Mankin, senior research specialist, created a display on "Wildlife Diversity in Illinois."

Karyn McDermaid, research specialist, created "Ecosystem-Based Management for Illinois Landowners." Accompanying the display was a CD-ROM simulated land management game for kids. Thanks to Karyn, **Gil Mendoza**, **Greg McIsaac** and Lyle Guyon for staffing the display.

NRES 247, taught by **Dianne Noland**, teaching associate, won first place in the Student Group category for the Floral Design to Music exhibit. Each student interpreted two songs with their

choice of flowers, containers, background, accessories, and even wardrobe. The four performance times had standing-room-only crowds in 1125 Plant Sciences Lab.

Randy Rogers, visiting research specialist in agriculture, and Claire Rutledge invited visitors to pet their plants and play with their ugly bugs.

The display, "El-Nino—What is it and what are its effects on Illinois," was created by **Nick Sebasto- Smith**, assistant professor and Extension specialist, environmental education.

"Some Like It Hot—Hot Peppers" was the display set up by Chuck Voigt, research specialist in agriculture.

Wood Engineering Lab Has Guest
On March 23, 1998 Pascal Kamdem, Department of Forestry, Michigan State University, East Lansing, visited the Wood Engineering Lab to discuss the future cooperated research projects on Hardwood Utilization and was a guest of Poo Chow, professor of wood science.

Master Gardeners' Workshops
A new program teaching Master Gardeners in Illinois and Indiana about biological control and involving gardeners in volunteer research projects has recently begun, created by Rob Wiedenmann, assistant professor, John Lloyd (formerly UIUC-NRES), and Bob O'Neil and Cliff Sadof (both of Purdue University). Late February, the first two all-day workshops for gardeners were held in Indianapolis, Indiana and Champaign, Illinois. Gardeners were given education about what biological control is and suggestions for hands-on methods appropriate for gardeners.

Another Indianapolis workshop was held in March and another is scheduled for Rock Island. Research topics to be tested by gardeners include release of Trichogramma wasps against cabbage worms, mulching potatoes to enhance predatory ground beetles, and spraying sugar water on crops to attract predatory beetles and lacewings. Results will be posted on the web and will be incorporated into pest management recommendations.

Conferences And Travels

Maggie Alario, assistant professor, gave a talk on "Ecosystem Restoration and Environmental Controversies: Between Science and Politics" at the Society for the Interdisciplinary Study of Social Imagery, organized by the University of Southern Colorado, Colorado Springs, March 14-15, 1998.

Sare Convention in Texas,
Dan Anderson, research/Extension specialist, attended the SARE National Convention in Austin, Texas, March 5-7, 1998. Building on a Decade of Sustainable Agriculture Research and Education was the SARE program's 10-year anniversary/conference/celebration. The meeting brought together researchers, farmers and ranchers, agricultural extension agents and other educators, sustainable agriculture advocates, and other partners for three days of informative sessions and a farm tour on a variety of profitable, environmentally sound and socially responsible agricultural topics.

Dan took the Agroecology/Sustainable Agriculture Program display to the Clean Water Celebration in Peoria, Illinois, March 23, 1998. Over 5,000 school-aged children from the sixth grade up attended the conference. Event organizers collected three questions from each group with a display. The children were given the assignment by their teachers to find answers to the questions. For example, students had to find out how long it takes to make an inch of top soil, consider how farming in Illinois can effect fishermen in the Gulf of Mexico, and ponder how many farmers it takes to feed the world. For many of the students, it was probably the first time they had considered some of the issues crucial to the future of our food production system.

Brown Leads Climate Discussion
Sandra Brown, professor, forest biology, was invited to give a seminar at the Northeast Regional Center of the National Institute for Global Environmental Change and Department of Earth and Planetary Sciences at Harvard University March 31 to April 3. She talked about "Forests and the global cycle: present and future role."

Sandra also will attend and co-chair an Inter-governmental Panel on Climate Change (IPCC) meeting on methods developing for the Land Use Change and Forestry sector in Dakar, Senegal, May 4 to 8, 1998. Sandra will lead the discussions on the new methodologies she and colleagues have developed for estimating greenhouse gas emissions from forest harvesting for wood products. The outcome of the meeting will be a recommendation to the UN Framework Convention on Climate Change (UNFCCC) to the appropriate methodology for countries to use when they inventory greenhouse gases as required under the FCCC.

Durability of Wood
Poo Chow, professor of wood science, has been invited to give a lecture on "Durability of Wood" to a graduate seminar class of the Civil Engineering Department on April 15, 1998.

Water Seminar Presentation

Mark David, professor, presented an invited seminar on February 25, 1998 to the Indiana University School of Public and Environmental Affairs, Bloomington, Indiana. The seminar was entitled, "Surface water nitrates: agricultural sources and wetland remediation."

Ferree Attends Conference
Rhonda Ferree, Extension specialist, represented the University of Illinois at the American Association of Pesticide Safety Education/American Association of Pesticide Control Officials (AAPSE/AAPCO) conference in Washington, D.C., March 9-12, 1998

Desert Symposium
Tony Krzysik, senior research ecologist, gave a presentation, "A Comparison of distance sampling and strip tansects for estimating desert tortoise sign: implications for sampling desert tortoise populations on landscape scales," at the Desert Tortoise Council Symposium in Tucson, Arizona April 2-6, 1998.

History of The American Florist
Dianne Noland, teaching associate, gave a presentation on the book, "A Centennial History of the American Florist" at the Illinois State Florists' Association annual convention in Decatur on March 15. She, along with a group of florists and educators from throughout the country, co-authored the 350 page one-of-a-kind book. **Floyd Giles**, professor of horticulture, also has chapters in the book.

Solter in Argentina
Leellen Solter, assistant professional scientist, attended the IV Argentina Congress of Entomology in Mar del Plata, Argentina, March 8-12, 1998. Her two invited presentations were: "Strategies for evaluating the host specificity of lepidopteran microsporidia," and "New technologies for studies of the gypsy moth and its pathogens."

Edra Conference in Missouri
At the March meeting of the Environment Design Research Association (EDRA) in St. Louis, Missouri, Elizabeth Tyler, Ph.D. candidate in Urban and Regional Planning and an advisee of Joanne Vining, associate professor, presented their co-authored paper "Psychology of Environmental Restoration." EDRA is a group of scientists and designers who do research on human-environment interactions.

Landscape Ecologists Meet
Timothy Van Deelen, adjunct assistant professor, presented his paper, "Silviculture of conifer swamp deeryards and use of the landscape by white-tailed deer: management dissonance at spatial and temporal scales," at the International Association of

Landscape Ecologists Annual Meeting in East Lansing, Michigan, March 20, 1998.

Tim, assisted by, L.B. McKinney, M.G. Joselyn, and J.E. Buhnerkempe presented a poster, "Landscape databases and spatial modeling as decision support in natural resource management: the Illinois elk example," at the International Association of Landscape Ecologists Annual Meeting, March 18, 1998 in East Lansing, Michigan.

Vining Chairs Study
On March 30, **Joanne Vining**, associate professor, chaired the study section of the National Institutes of Health (NIH) Study Section Review Panel for the National Research Service Award meeting in Washington, D.C. This is a predoctoral fellowship award for minority students offering up to five years of support for research training.

Study sections consist of scientists from fields represented by the grants (in her case, psychology) who read and review grant proposals. At the meetings, they discuss their reviews and assign priority scores to the proposals.

Renewable Natural Resource Conference
Several NRES faculty were speakers and presented papers at the Illinois Renewable Natural Resources Conference, March 4-6, 1998 in Springfield, Illinois.

Ellen Brewer, associate supportive scientist, M.G. Joselyn, L. Suloway, D.K. Niven, and **Bill Ruesink**, professor, presented the paper, "Identification of long term monitoring locations."

Michael Brun, **Robert Hudson**, assistant professor, **Greg McIsaac**, senior research specialist, and Sharyl Walker, presented the paper, "Estimated nitrogen budgets for five east-central Illinois watersheds."

Michael Jeffords, associate professor of entomology, gave the luncheon address, "The Last Species."

David Kovacic, associate professor, presented the paper, "Constructed wetlands and watershed."

Karyn McDermaid, research specialist, **Gary Rolfe**, NRES department head, and **Richard Warner**, associate professor, presented the paper, "Relating floodplain landowner attitudes to ecosystem- based management."

David Philipp, director, center for aquatic ecology, R. Fields, T. Kassler, and J.E. Claussen presented the paper, "Conservation of

biodiversity below the species level."

Gary Rolfe moderated the plenary session.

Nick Smith-Sebasto, assistant professor and Extension specialist, was keynote speaker presenting, "The state of environmental education in Illinois."

J. L. Newton, E.J. Heske, and **Tim Van Deelen** authored the paper, "Effects of habitat fragmentation and mammalian predation on nesting success of ground-nesting grassland and shrub-nesting birds: an artificial nest study."

D.R. Etter, D.R. Ludwig, S.N. Kobal, and Tim Van Deelen presented the paper, "Successes of a lethal deer removal program in DuPage County forest preserves."

Todd Gosselink, Tim **Van Deelen**, and **Richard Warner** presented the paper, "Mortality of maturing fox pups along an urban-rural gradient."

Richard Warner, associate professor of natural resource ecology, was keynote speaker for "Stewardship of Illinois Natural Resources in the Agricultural Landscape: Sustaining the Environment and the Farmer."

Ed Zaborski, adjunct assistant professor, and Chris Johns presented the paper, "Soil watch: a soil health monitoring partnership."

In The News

In a recent News-Gazette article about the ACES Open House, the display by Mike Jeffords, associate professor of entomology, was pictured and described. "It's a six-foot walk through the state of Illinois, its flora, its fauna and its habitats," said Mike. Also mentioned in the article was the display of hot peppers by Chuck Voigt, research specialist in agriculture.

An article about the return of the western corn rootworms appeared in the March 1998 issue of Progressive Farmer. Eli Levine, associate professor, reported that normally scouts might find a handful of western corn rootworms in their sweep nets after going over soybeans, but in 1997 they found upwards of 1,000 beetles per 100 sweeps.

This same study was reported in the February 6, 1998 issue of Illinois AgriNews. Joe Spencer, postdoctoral research associate, said, "Intense selection pressures have produced rootworm beetles that move out of corn to lay at least some of their eggs in

soybean, alfalfa, and other locations."

Research conducted by David Onstad, associate professor, was reported in the News-Gazette. A computer model shows how to slow resistance of pests to Bt corn. "The model showed that using seed mixtures was always inferior to planting strips or blocks. However, strips and adjacent blocks using 20% non-Bt corn did significantly delay the development of resistance."

Pictures and details of the International Agriculture Association trip to South Africa were highlighted in the March 6, 1998 issue of the Daily Illini. Bob Skirvin, professor of horticulture, John Santas, and several students from the College of ACES traveled December 31, 1997 to January 18, 1998.

Publications

Alario, M. 1998. Global Environmental Risks: Between Political Hazards and Policy Decisions. Journal of Risk Research.

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Nres May Day Picnic
Friday, May 1, 1998
4 - 6 pm
Illini Grove shelter area
Pennsylvania Ave./Lincoln Ave.
Come and enjoy brats, burgers, vegetable shish-ka-bobs, chips, and soda. All NRES students, faculty, staff, retirees, and their families are invited.

Calendar of Events

April 6	10-12:00 NRES Faculty meeting W121 Turner Hall
April 7	4:00 p.m. Dayton Memorial Lecture Daniel F. Dayton Lecture 149 EASB
April 7	12 noon Kaplan Seminar 426 Mumford Hall
April 8	11:00 Dayton Memorial Lecture 149 EASB
April 16	5:30 p.m. Gamma Sigma Delta Initiation & Banquet Illini Union Ballroom
April 23	5:30 p.m. ACES & Paul A. Funk Recognition Award Program Program & Banquet

April 24	3-5:00 p.m. ACES Faculty Meeting
April 25	9-5:00 Hort Club Mom's Day Flower Show and Sale, Stock Pavilion
April 26	9-2:00 Mom's Day Flower Show
April 27	5:30 p.m. Campus Instructional Awards Banquet; Illini Union Ballroom
May 1	4-6 p.m. NRES May Day Picnic Illini Grove
May 3	12:00 noon ACES Student Awards Banquet Illini Union Ballroom
May 16-17	Commencement Weekend
May 25	Memorial Day - Campus closed
June 3	Dedication of Brunner property
June 19	Dedication of Japan House
June 28	Allerton Chautauqua
Sept. 24	11:30 Scholarship Recognition Luncheon Bevier Spice Box
Oct. 17	NRES Alumni Homecoming

Credits

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Site Map | The NRES Logo | nres@uiuc.edu

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Number 5, May 1998
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
Announcements
In the News
Conferences & Travels
Publications
Scholarship Winners

Look Out World, Here They Come!

Announcements

Graduation Approaches

Approximately forty-five NRES seniors will graduate from the College of ACES on May 17, 1998, with majors in horticulture, agronomy, or forestry.

Congratulations and best wishes to them as they pursue their careers. We'll miss you!

The Best of The Best

Recognition was given to NRES faculty at the College of ACES and Paul A. Funk 1998 Recognition Awards Gala, Thursday, April 23, 1998. Gary J. Kling, associate professor in horticulture, was awarded the Karl E. Gardner Outstanding Undergraduate Adviser Award. Gary was recognized for his uncommon insight into the dynamics of working with students outside the classroom. "He has the abilities to interact with students as a friend, a counselor, and an advocate, and yet maintain his authority and leadership roles."

Susan Post, research specialist in agriculture, was awarded the Professional Staff Award for Excellence — Innovation and Creativity. Susan was recognized as an "excellent writer and photographer, having a creative style that helps bring Illinois' natural history and heritage alive in publications, popular articles, scientific papers, and reports." She was also recognized for her latest effort, "*Hiking Illinois*."

Robert M. Skirvin, professor of horticulture, was awarded the Senior Faculty Award for Excellence in Teaching. "Each semester since 1977, students have placed him on the"Incomplete List of Outstanding Teachers" published in the Daily Illini. He is the senior advisor of the Horticulture Club,

which was named the number one horticulture club in the United States in 1996 by the American Society for Horticultural Science."

Illini Foresters' Banquet
Illini Foresters recognized outstanding members, faculty and staff at their annual spring banquet held April 29, 1998 at the Round Barn Center, Champaign, Illinois. The Illini Foresters' Appreciation Award was presented in the form of Illini Foresters' t-shirts to staff members in appreciation for the help this past year. **Eric "Moose" Aschenbrenner** received the Outstanding Senior Award, **John Edgington**, senior research specialist in forestry, received the Outstanding Advisor Award. The Midwest Section of the Forest Products Research Society Awards Book Award and Membership Award were presented to **James Cieciwa** and **Cory Kohut**, respectively. **Steve Tondini** and **Jeremy Shafer** received the coveted Illini Foresters' Toothless Saw Award.

Lunch With The Graduates
The Tassel Turn tent party, held in conjunction with ACES Commencement, will begin with lunch at 11:30 a.m. on Sunday, May 17, 1998 at the corner of Goodwin and Pennsylvania. Graduates, families, and friends can meet under a big-top tent and enjoy a basket lunch, while listening to the calypso melodies of I-PAN, UI's own steel drum band. RSVPs are required.

Study in The Middle East
John J. Nicholaides, III, professor and chair of The International Arid Lands Consortium (IALC) Peace Fellowship Committee, announces that applications to the IALC Peace Fellowship Program are accepted throughout the year at IALC headquarters in Tucson, Arizona. Awards are for $4,000 to be applied toward travel, living expenses, and research in the Middle East during the academic year. All full-time undergraduate students are eligible to apply for the program and related grants, including work-study. A limited number are available to conduct research in Israel either this summer, fall or spring semester. For more information, please contact John at jjnichol@uiuc.edu

Attention Nres Affiliates
Mary Lowry, research specialist, announces that NRES affiliates now have a personal web page posted on the NRES faculty/staff web site at http://www.aces.uiuc.edu/~nres/faculty/faculty2.html Please take a minute and look at your page. If you have any changes or additions, send them to lowry@uiuc.edu and also send a hard copy to Mary at W503 Turner Hall, MC 047.

In Memory of Anne Suratt
A new scholarship in the College of ACES is now available in memory of Anne Elizabeth Suratt, who was a senior in the NRES curriculum at the time of her death in an airplane crash

last May. The Anne Elizabeth Suratt Memorial Scholarship is designated for juniors, seniors or fifth year undergraduates. The recipient must have a B average (3.0 GPA). Preference will be given to students who are majoring in space studies and earth sciences, and to students with demonstrated financial need. In addition, students must demonstrate vision, perseverance and enthusiasm for his/her chosen field. Copies of the application are available from Darlene Ulken in 104 Mumford Hall. The application deadline is May 8, 1998 for 1998-99 consideration.

Waterways Workshop
The Protecting Our Waterways: Riparian Buffer Zones Training Workshop is June 17-18, 1998 at the Holiday Inn in Urbana. **Pam Walkenbach**, visiting Extension specialist, reports this professional development opportunity is being offered in response to the need for Extension field staff to become aware of the advantages riparian buffer zones offer. Riparian (stream side) areas represent a very important link between land and water environments. When properly vegetated and cared for, riparian buffer zones can provide stream bank stabilization, water quality enhancement, wood production, wildlife habitat, recreation, and aesthetic benefits. Because of these and other benefits, several state and federal agencies are making funds available for the creation and restoration of riparian buffer strips and filter strips on private lands.

Alpha Zeta Announces Award
John Edgington, professor, has received notification from the Morrow Chapter of Alpha Zeta that he is the recipient of their Outstanding Instructor Award. John received the award at the College of ACES Banquet, May 3, 1998. Congratulations, John.

Hamblin Receives Seed Money
Andy Hamblin, assistant professor, has received seed money from Lofts Seeds (Washington) to characterize and isolate genes associated with resistance to dollar spot on creeping bentgrass. Dollar spot is one of the most problematic diseases on bentgrass greens throughout the United States.

Wins Team Award
Jim Schmidt, Extension specialist, home horticulture, along with Ann Rund, State 4-H Office, and Annette Campbell, CES unit leader, received a team award for Communicator Award-Educational Piece from Illinois Extension Professionals for Youth Education for the three 4-H horticulture activity books they wrote. The award was presented at the association's annual meeting.

Zimmerman Recognized
Andy Zimmerman, horticulture senior, was recognized as an Outstanding Horticulture Student by the American Society for Horticultural Science. Recognition is limited to one student per institution in the United States and Canada, and winners are selected based on their scholastic achievements, leadership

abilities, participation in campus/club activities, and services to their departments. Congratulations, Andy.

Mom's Day Flower Show
The Horticulture Club's Mom's Day Flower Show and Sale was outstanding again this year. A record crowd attended both days, April 25 and 26, 1998. The club surprised Mary Ruth Getz, department secretary, by dedicating this year's show and sale to her.

Receive Grants
Jeff Dawson, professor, University of Illinois representative on the Research Committee of the International Arid Lands Consortium, reported that two NRES faculty members, Michelle Wander, assistant professor, and Joe Stucki, professor, each were recipients of $75,000 grants in this year's competition. Congratulations to them.

Faculty Promoted
Congratulations to the following faculty on their recent promotions: **Bill Sullivan** and **Dick Brazee**, from assistant professor to associate professor; **Ken Olson**, from associate professor to professor; and to **Bruce Branham**, associate professor with tenure.

Additional Open House News
Pat Hoffman, senior in NRES/Horticulture, won first prize for undergraduate research for his research titled, "Flower induction and sex expression of cucurbits" at the College of ACES Open House. Thanks to **Sherla Carpenter**, business manager, for coordinating the Plant Sciences Lab displays for the College of ACES.

New Face in Korban Lab
Alexandre Amaral, visiting scholar, began his work with **Schuyler Korban**, professor of plant genetics, in April 1998. Alexandre is in 310 ERML. Stop by and say hi.

Elected to Aces Committees
The following faculty from NRES have been elected to serve a two-year term on the Policy Committees to the Executive Committee for the College of ACES: Development—**Henry Wilkinson**; Extension—**David Williams**; Graduate Education—**Jack Juvik**; International Programs—**John Nicholaides**; Research—**George Gertner**; Undergraduate Education—**Gary Kling**; College Courses and Curricula Committee representative—**Gary Kling**.

Conferences And Travels

Urban Forestry in Chicago
Steve Bylina, Deputy Commissioner of Forestry for the City of Chicago, visited with NRES students on April 16. Dr. Bylina spoke to over 30 students about summer and permanent job

opportunities in urban forestry with the City of Chicago. Thanks to **Karyn McDermaid**, internship coordinator, and **Jeff Dawson**, professor, tree physiology, for arranging this event.

Conference Presentations,
Tony Krzysik, senior research ecologist, participated in an Army Research Office and Desert Research Institute/University Nevada-Reno Workshop at California State University Desert Studies Center dealing with arid lands geomorphology, April 25 through May 2.

Tony is currently involved in characterizing biodiversity patterns for the transition zone involving the Sonoran and Chihuahuan Deserts and Madrean pine-oak woodlands. This is a component of the regional Upper San Pedro Watershed project in Arizona and Mexico being conducted by USA-CERL and Harvard University.

Landowner Survey Presentation
Gary Rolfe, department head, and **Karyn McDermaid**, research scientist, gave a presentation to the Human Dimensions in Environmental Sciences (HDES) group on April 23. Their talk, "Relating floodplain landowner attitudes to ecosystem management," is based on the results of their 1996-97 landowner survey.

Attends Cornell Workshops
John Nicholaides, professor, participated in the Second National Workshop on Revitalizing Academic Programs in Agriculture and Natural Resources from April 23-25 at Cornell University, New York.

Blueberry Association Meets
Mary Ann Lila Smith, professor of plant physiology and associate department head, was invited to present a paper on Proactive Health Benefits of Wild Blueberry to the Health Committee of the Wild Blueberry Association of North America's Annual Meeting April 14-16, 1998.

Mary Ann also attended the Committee for Institutional Cooperation Conference on The University of the Future, in State College, Pennsylvania, April 16-19, 1998, hosted by Penn State University.

She then traveled to Princeton, New Jersey April 19-22, 1998 to present an invited paper to the INFCOL III Conference on Natural Colors and Nutraceuticals, on Bioreactor-Based Production of Flavonoids.

Presentations to Urbana Schools
Lee Solter, assistant professor, gave three presentations to Urbana Middle School seventh graders on "Integrity in Science" as part of their "Character in Careers" week, April 6-

9. Simple experiments were used to show the need for objectivity in hypothesis testing and reporting of results. The students discovered what was "wrong" in the performance and evaluation of the experiments and the necessity of being objective when "doing science."

Lee, **Gail Kampmeier**, senior research specialist in agriculture, and Jill Mullett, graduate student in fine arts and biological illustrator, with **Mike Irwin**, professor, presented a poster on careers in entomology at the Urbana Middle School Careers Fair on April 9.

Environmental Horizons 98
Joanne Vining, associate professor, was asked to moderate and serve as a panelist on "Inter-disciplinary Environmental Research" at the UIUC Environmental Council's Environmental Horizons 98 conference April 21, 1998.

Nick Smith-Sebaso, assistant professor, was on the panel discussion on "Future of Environmental Education at UIUC."

Gary L. Rolfe, department head, led an afternoon session on "Ecosystem Management for Agricultural and Natural Lands."

Groundwater Consortium
Several NRES faculty attended and gave presentations or were keynote speakers at the Eighth Annual Research Planning Conference, Research on Agricultural Chemicals in Illinois Groundwater Status and Future Directions sponsored by the Illinois Groundwater Consortium. The conference was held in Giant City Lodge, Giant City State Park, Makanda, Illinois April 1-2, 1998.

In The News

Dayton Memorial Lectures
The April 12, 1998 issue of the News-Gazette Business and Agriculture section included an article about Dr. Charles Rick's recent visit to campus to conduct the Daniel F. Dayton Memorial Lecture Series. Dr. Rick spoke about his research and search for the wild tomato.

Radio Talk Show Guests
Eli Levine, associate professor, **Joseph Spencer**, postdoctoral research associate, and **Scott Isard**, associate professor, were guests on Focus 580, WILL-AM radio call-in show with David Inge on March 25, 1998, discussing, "Agricultural pest control and the corn rootworm problem."

Frances Kuo, visiting assistant professor, and **Bill Sullivan**, assistant professor, were also guests on the WILL radio program Focus 580. The live call-in program was on Wednesday morning, April 8, 1998. Frances and Bill talked about their research that shows that nature is a necessary

part of a healthy human habitat.

Broccoli Is No. 1 in Home Gardens
If there is one plant to grow in the garden this year, it is broccoli, says **Mosbah Kushad**, assistant professor, food crops specialist, in an article in the Lawn and Garden section of the April 17, 1998 issue of Illinois AgriNews.

Corn Rootworm Adapts
Three NRES faculty members' corn rootworm research was reported in the Sunday, March 29, 1998 Modern Farmer section of the Jacksonville Journal-Courier. **Joseph Spencer**, entomologist, reported his research on the shift of beetles from corn to soybean and alfalfa fields. **Scott Isard**, associate professor, reported on his research on the control of the rootworms, and **Eli Levine**, associate professor, reported on his research of the damage to the fields and crops.

Their research was also reported in the article, "Tough corn pest is getting tougher," in the Sunday, April 19, 1998 St. Louis Post-Dispatch, also posted on their web.

Studies Corn Using Computers
The April 10, 1998 issue of the Daily Journal of Kankakee, Iroquois, Will, Ford, Livingston, Grundy and Newton Counties contained an article regarding the Bt corn research conducted by **David Onstad**, associate professor, using a computer model to study how to extend the life of corn genetically engineered to kill a major pestsite. His research was also addressed in the article, "Computers show potential Bt corn problems," in the March 31, 1998 issue of the Crops and Soils section of The Register-Mail, Galesburg, Illinois.

Everything's Coming up Roses
But are they thornless? **Bob Skirvin**, professor of horticulture, said there is no completely thornless line of rose, although they do show up from time to time. Bob's research to find a true thornless rose was reported in the Spring 1998 issue of the Home, Yard, and Garden.

Add a Little Spice to Life
"Adding home-grown herbs to your favorite recipes may give your usual dinners a fresh new flavor," said **Chuck Voigt**, research specialist in agriculture, in an article in the April 16, 1998 issue of Illinois AgriNews. The report included a list of hints for growing herbs and suggestions for using the different herbs, perhaps adding new zest to the diet.

Promoting Cover Crops
The March 19, 1998 issue of the Baltimore Sun reported on the conference sponsored by the University of Maryland's College of Agriculture and Natural Resources. The conference was on the benefits and economic viability of planting cover crops to prevent the flow of harmful nutrients leaching into the Chesapeake Bay. Michelle Wander, assistant professor of soil

fertility, was one of the speakers at the two-day conference.

Benefits of Garden Pests
An article in the March 9 issue of the Dubuque, Illinois Telegraph Herald reported on a seminar held at Plant Sciences Lab on biological pest control. Robert Wiedenmann, assistant professor, told the gardeners about flowers they could grow to encourage beneficial insects.

Publications

Gertner, G.Z. and L. Chen. 1997. Analysis of prediction quality of some simple nonlinear models applied to fast growing species. In: Proceedings entitled, Modelling Growth of Fast-Grown Tree Species. Sponsored by University Austral de Chile and IUFRO. Valdivia, Chile. 287-295.

Herendeen, R.A. 1998. Ecological Numeracy: Quantitative Analysis of Environmental Issues. John Wiley and Sons.

Khattak, M.S. and **R.M. Skirvin**. 1998. Apple seed extract promotes organogenesis from stem section of guava (Psidium guajava L) in vitro. Scientific Khyber 11 (1):55-60.

Van Deelen, T.R., L.B. McKinney, M.G. Joselyn, and J.E. Buhnerkempe. 1997. Can we restore elk to southern Illinois? The use of existing digital land-cover to evaluate potential habitat. Wildlife Society Bulletin 25(4):886-894.

Calendar of Events

May 16-17		Commencement Weekend
May 17	11:30	ACES "Tassel Turn Tent Party" Goodwin & Pennsylvania
May 25		Memorial Day - Campus closed
June 3		Dedication of Brunner property
June 17-		Riparian Buffer Workshop Urbana Holiday Inn
June 19		Dedication of Japan House Arboretum
June 28		Allerton Chautauqua
August 19		Annual Turf Field Day Landscape Hort Research Center
Sept. 24	11:30	Scholarship Recognition
		Bevier Spice Box

Oct. 17	NRES Alumni Homecoming Reunion - PSL Lobby

1998 NRES Scholarship Winners

Lyon Hartman Scholarship	Laura M. Maupin
Karl and Frances Helfrich Scholarship	Ernesto M. Huaracha
Ivan John Jansen Memorial Scholarship	Karen P. Brook
Forestry Faculty Merit Award	Julie A. Dyar
Forestry Faculty Merit Award	Jessica L. Westin
Illinois Nurseryman's Association Scholarship	Kathryn M. Sadowski
Richard and Emily Pryor Scholarship	Naomi L.M. Boehm
Sinnissippi Forest Award in Forest Management	Erin E. Keogh
James A. and Betty Stewart Award in Urban Forestry	Kathy M. Kulovitz
Orville and Freda Waddell Memorial Scholarship	Keri A. Brumfield
Charles S. Walters Award in Forest Products	Jaret D. Brochmann
Illinois Garden Club Scholarship	Vanessa C. Gage
Illinois Garden Club Scholarship	Beth A. Smith
Illinois Garden Club Scholarship	Jill Van Dyne
G. Victor Ball Scholarship	Ann E. Redington
Grace Bickelhaupt Memorial Award	Kathryn M. Dieter
Earl Dean Bork Horticulture Scholarship	Jennifer R. Strauss

Credits

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NRES News online

Number 6, September 1998
University of Illinois at Urbana-Champaign

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Calendar of Events
Announcements
In the News
Conferences & Travels
Personals
Publications
Student News

Welcome Back, Everyone!

As summer's end became a reality, we put aside vacation memories and made ready for fall's adventures.

Announcements

Welcome-back Picnic Sept. 9
Welcome back to an exciting new semester on the UI campus. Make plans now to attend the NRES Welcome Back-Picnic on Wednesday, Sept. 9, 1998, 4-6 p.m. at the Landscape/Horticulture Research Center on South Lincoln Avenue in Urbana. The Social Committee promises another fun time for NRES students, faculty, staff, retirees, and families. addition to good food and beverages, there'll be games for all ages. Watch for details!

Scholarship Luncheon Sept. 24
Each fall NRES recognizes its student scholarship winners, along with their advisers and scholarship donors. The Third Annual Scholarship Recognition Luncheon will take place Thursday, Sept. 24, 1998, 11:30 a.m. in the Bevier Hall Spice Box. The luncheon provides an opportunity for NRES students to talk with donors about their studies and careers.

Jennifer Tank Joins NRES
Say hello to Jennifer Tank, assistant professor, who joins NRES Sept. 7 from the Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia. At Virginia Tech, Dr. Tank was lead scientist in a multi-institutional research project on nitrogen dynamics in food webs of freshwater streams located throughout the U.S., including Alaska and Puerto Rico.

As coordinator of field research, she was the only team member to visit all sites; she also served as the central data analyst for this research program.

Dr. Tank's primary research interests are in the area of microbial processes in streams. She also has a broad experience base and perspective in ecosystem level properties including nutrient cycling, primary production, and organic matter dynamics.

Her office is N-411 Turner Hall, 244-0286.

Meet The Newest NRES Members
Berit Margaret Hudson Rasmussen was born to Rachel Rasmussen and **Robert Hudson**, assistant professor, on August 5, 1998. Berit measured 22 inches long and weighed 9 lbs. 3 oz. Bob reports that mother and daughter are thriving. Best wishes to Rachel, Bob, and Soren, their five-year-old son, on the new family addition.

Eamon Sullivan Kuo entered the world at 12:30 p.m. Monday, August 17, 1998. Eamon, who weighed 7 lbs. 5 oz., is the son of **Bill Sullivan**, assistant professor, and **Frances Kuo**, visiting assistant professor. Welcome to Eamon!

Skirvin Is 'Outstanding Educator'
In recognition of his distinguished contributions to undergraduate education in horticultural science over a period of ten or more years through exceptional teaching methods, Robert Skirvin received the Outstanding Undergraduate Educator Award from the American Society for Horticultural Science. Bob, professor of horticulture, was honored in July at the annual meeting of ASHS in Charlotte, North Carolina.

NRES Homecoming Reunion Oct. 17
Mark it on your calendars!

History of Wild Animals
Vicki Daitch, UI Department of History, will visit NRES this fall and teach an experimental course, Wild Animals in American History (NRES 300). The course will examine how perceptions of wild animals have changed over time, from the colonial period to the present; will seek to understand how those perceptions have been played out in our dealings with other animals; and will look at how the animals themselves contribute to human ideas about what is "natural."

Vicki will share an office in W523 Turner Hall, e-mail: v-daitch@students.uiuc.edu.

Air Force Recognizes Andresen
Hats off to John Andresen! On May 26, 1998, Dr. Andresen, professor emeritus, urban forestry, and Lieutenant Colonel, US Air Force, retired, received an award from Brigadier General

Paul G. Gebhardt in appreciation for efforts in the implementation of the Illinois Department of Military Affairs Urban Forestry Technology Transfer Project.

Environmental Chem Offered
Richard Larson, professor, and **Robert Hudson**, assistant professor, will co-teach Environmental Chemistry this fall. Their goal is to introduce students to environmental problems with chemical themes and to present the critical evaluation of such issues. The class is currently listed in the catalog as EnvSt 298EC; next year it will have permanent status as NRES 251. The class is open to students with one year of college chemistry and to those who have taken or are enrolled in organic chemistry.

Resource Guide Available
A *Guide to USDA and Other Federal Resources for Sustainable Agriculture and Forestry Enterprises* is a new publication that addresses program resources in value-added and diversified agriculture and forestry, sustainable land management, and community development. It describes federal programs or resources that aid in adding value, diversifying, or adopting more sustainable practices in agricultural and forest product enterprises, report Deborah Cavanaugh-Grant, Extension research specialist.

Free copies are available from: Appropriate Technology Transfer for Rural Areas (ATTRA), P.O. Box 3657, Fayetteville, AR 72702, 1-800-346-9140, FAX 501-442-9842. (askattra@ncatark.uark.edu). You can also view the guide this fall on ATTRA's website: http://www.attra.org.

NRES Committee Appointments
Faculty elected to serve a two-year term on the Faculty Advisory Committee are: **Bruce Branham**, **Tim Ellsworth**, **John Hassett**, and **John Nicholaides**. Faculty currently serving and continuing for one-year: **Jeff Dawson**, **Art Spomer**, and **Michelle Wander**.

Faculty member elected to serve a two-year term on the Academic Professional Advisory Committee: **Steve Tondini**. Faculty currently serving and continuing for one-year: **Sherla Carpenter**, **John Edgington**, **Lowell Gentry**, and **Phil Mankin**.

Teaching Coordinators
John J. Hassett begins the semester as NRES Teaching Coordinator. Hassett, professor of soil and environmental chemistry, takes over from **Gary J. Kling**, associate professor of horticulture, who coordinated the undergraduate teaching program for the past three years. NRES recognizes Gary for his leadership in this important area and welcomes John to his new role.

Hamblin Receives Grants

Andy Hamblin, assistant professor, will receive support from the UIUC Campus Research Board for his project, RAPD Markers Associated with Gray Leaf Spot Resistance in Tall Fescue. The Board approved $10,000 for research expenses.

In a separate project involving horseradish research, Andy, along with Ton Bratsch, Extension educator, Edwardsville Center, and Robert Gerstenecker, Illinois Horseradish Growers Association, will receive $28,120 from the C-FAR external grants program. They will breed horseradish for disease resistance and increased yield, with much of this work including germplasm collected by Illinois growers and the UI Horseradish Germplasm Collection.

Another of Andy's projects, "Genetics of gray leaf spot and rust resistance in forage grasses," will also receive a C-FAR award of $88,000. This research will entail both conventional breeding and molecular marker approaches to characterize resistance to these diseases.

Beetles Invade Chicago
When the Asian longhorned beetle was found this July infesting trees in Chicago's Ravenswood area and near Addison, Illinois, NRES Entomologist **James E. Appleby** quickly responded. He created a fact sheet with vital information and a companion exhibit for the Illinois State Fair, outlining the serious nature of the infestation.

Leaflet No. 100In describes the 1996 beetle sighting in New York. Native to China, Korea, and Japan, the beetle was found attacking species of maple, poplar, willow, and horsechestnut. In Chicago infestations were found in Norway and silver maples, boxelder, elm, and horsechestnut.

The Asian longhorned beetle is a serious threat to our shade and forest trees, Appleby explains. Copies of the leaflet are available through NRES, W-503 Turner Hall, 217-333-2770

NATO-partners Linkage Grant
Ken Olson, professor of pedology and soil conservation, and Bob Jones, professor of soil mineralogy and ecology, received a two-year institutional NATO-Partners linkage grant from the Environmental Security Division of NATO in June. The funds will support the exchange of soil scientists and geographers between the University of Illinois and Moscow State University (Russia). As part of the project, soil formation and soil erosion rates will be studied at field sites in Russia and Southern Illinois.

ACES Group to Honduras
Gary Kling was part of a UIUC-ACES group who visited Zamorano University in Honduras Aug. 4-7. The purpose of trip was to strengthen ties between the two institutions. Zamorano is the main agricultural university serving Central America. Its agricultural production and management

programs have a strong sustainability emphasis.

The universities hope to facilitate student exchanges at the undergraduate level and encourage joint research projects. Research opportunities might involve admission of their graduates to our graduate program, sending our graduate students to study in Honduras or another Central American country, faculty exchanges, and sabbatical leave opportunities.

Visitors From Japan
Rip Sparks, director, River Research Laboratory, Tim Mihuc, associate research scientist and director, Great River Field Station, and David Thomas, chief of the Illinois Natural History Survey, hosted a delegation of biologists from the Japanese Institute of Freshwater Biology and engineers from the Ministry of Construction (Japanese equivalent of the Corps of Engineers). The six-member delegation included the Director of the River Environment Division of the Public Works Research Institute and the Director of the Freshwater Institute. During their five days in Illinois, the delegation visited the Great Rivers Field Station at Alton, the Long Term Resource Monitoring Field Station at Havana, the Nature Conservancy offices in Peoria, and had a special tour of the river fishes exhibits at the Shedd Aquarium in Chicago.

Fermanian Elected
Tom Fermanian, associate professor, is currently serving a six-year term as a Policy Director for the National Turfgrass Evaluation Program in Beltsville, MD. At a semi-annual board meeting of NTEP at VPI in Blacksburg, VA, he was elected vice-chairman of the Policy Committee. Tom was also appointed to the Fred V. Grau Turfgrass Science Award Committee of the Crop Science Society of America.

Conferences And Travels

Turf Group Meetings
The NRES turf group met at Hughes Creek Golf Course, Elburn, IL, to present a research update at a meeting of the Midwest Association of Golf Course Superintendents. Nearly 110 superintendents registered for the meeting that included presentations by **Bruce Branham**, associate professor, **Andy Hamblin**, assistant professor, **Tom Voigt**, principal research scientist in agriculture, and **Hank Wilkinson**, professor.

The turf group also attended the NCR-192 meetings at Iowa State University, Ames, IA, to compare research notes with colleagues from universities throughout the Midwestern United States. **Bruce Branham**, **Tom Fermanian**, associate professor, **Andy Hamblin**, and **Tom Voigt** toured ISU's turf research farm and presented research projects underway at UIUC.

Tom Fermanian was recently invited to lecture on turfgrass

management at Shandong Agricultural University, TaiAn, China and four other cities in the province. He was there June 6-15, 1998.

Turfgrass Field Day,
The 1998 University of Illinois Turfgrass, Nursery, Landscape and Trial Garden Field Day was held August 19, 1998 at the Landscape Horticulture Research Center in Urbana. More than thirty NRES faculty and staff provided up-to-date information and education to professional turfgrass, nursery, landscape, and garden center personnel during the day's activities. Members of the NRES turf group are **Bruce Branham**, **Tom Fermanian**, **Andy Hamblin**, **Tom Voigt**, and **Hank Wilkinson**.

Kling Attends Ashs Meetings
Gary Kling, associate professor, attended the annual meeting of the American Society for Horticultural Science in Charlotte, NC from July 12-16. The Computer Applications in Horticulture Working Group, chaired by Kling, hosted a funded colloquium, "Virtual Hortultural Curricula," which explored distance education from administrative and faculty perspectives. Kling was also co-author of a presentation made by Tony Kahtz, "Comparisons of Field-dependent and -independent Student Learning Preferences in an Ornamental Horticulture Class with Emphasis on Computer-Assisted Instruction."

Larson Presents Two Papers
Richard Larson, professor, attended the Conference on Remediation of Chlorinated and Recalcitrant Compounds in Monterey, California, at the end of May. He presented two papers, "Electron transfer to organochlorine compounds by an iron (II)-dithionite system" and "Phototransformations of PCBs in surfactant micelle solutions," and chaired a session on dechlorination technologies.

Mihuc Presents Papers
Tim Mihuc, associate research scientist, kept busy attending national and international meetings in the past months. In April, he served as a member of the Large Rivers Scientific Advisory Work Group (USEPA), which met in Baltimore, Maryland for a workshop on research needs for large rivers.

Tim participated in Yellowstone National Park Scientific Conference on the 10-year impacts of the 1988 Yellowstone wildfires as part of the Park's 125th Anniversary Celebration. He participated in a field trip through the Park, conducted interviews and answered questions for the press (TV and print media.) He also presented a paper, "Shifts in the trophic basis of a stream food web following wildfire disturbance."

At the North American Benthological Society annual meeting Prince Edward Island, Canada, June 2-6, 1998, he presented a paper in a special session on Large Rivers Biocriteria titled, "The physical habitat templet and biotic responses in large

floodplain rivers."

In August, Tim attended the Soceitas Internationalis Limnologiae (SIL) meeting in Dublin, Ireland. He was chairperson/primary referee for a session on Macroinvertebrate Community Ecology in rivers and streams and presented a paper, "Long-term comparison of macroinvertebrate assemblages associated with water hyacinth, Eichhornia crassipes, in a subtropical floodplain river."

Povich Heads Program Group
Anita Povich, communications/development specialist, chaired the national program committee and attended the international meeting of Agricultural Communicators in Education this past July. She presided over the week-long ACE meeting in Pacific Grove, California, which concentrated on information tools, creativity, and the future. ACE is an international organization of communicators in land-grant universities, federal agencies, and international centers. Anita is past director of the ACE North-Central Region.

John Nicholaides Visits D.C.
John J. Nicholaides, III, professor, met with U.S. and Israeli colleagues this past May in Washington, D.C. The group continued its initial planning of a joint U.S./Israeli academic program in desert studies at Ben-Gurion University of the Negev.

While in Washington, John also served as a national reviewers of education proposals to the Higher Education Challenge Grant Program of the USDA.

Raheel Presents Textile Research Mastura Raheel
professor of textile science, presented an invited paper at the International Conference, TEXSCI'98, May 23-30, 1998 in the Czech Republic. She also presented a research paper at the World Congress on New Materials and Technologies, CIMTEC'98, June 12-21, 1998 in Florence, Italy.

Smith Has Fruitful Summer
Mary Ann Lila Smith, professor of plant physiology, and associate department head, attended the Executive Committee meetings and the annual conference for the Society of In Vitro Biology in Las Vegas, Nevada May 30- June 4, 1998. She convened two workshops at the conference, (1) Biological and Engineering Aspects of Plant Cell Bioreactor Technology, and (2) Designing a Micropropagation System.

She also traveled to Jerusalem, Israel, June 14-20, 1998 to attend and present an invited paper at the International Association of Plant Tissue Culture and Biotechnology, serving as the representative for the United States.

Mary Ann hosted two Champaign area school teachers, Nikki Broadrick and Nancy Ward, in a Science Literacy Summer Program, July 6-10, 1998.

Wiedenmann Gives Presentations
Rob Wiedenmann, assistant professor, presented seminars entitled, "Minimizing risk from biological control: predicting host specificity" and "Good bug, bad plant—loosestrife no longer on the loose?" at the Department of Entomology, University of Kentucky. He also presented the loosestrife biological control seminar at the brown bag lunch seminar series for both the Waste Management Research Center and the Illinois State Museum.

Rod also participated in the recent USDA-ARS Foreign Biological Control Laboratory Workshop, at the European Biological Control Laboratory, Montpellier, France. He represented state and university scientists in planning the future role for USDA foreign labs and their interactions with state, university and international institutions. The European Biological Control Lab (EBCL) has a long history of supporting Illinois agriculture by collecting and shipping natural enemies that have been released against alfalfa weevil, European corn borer, and other pests. EBCL will be involved in the recently begun project to introduce natural enemies against alfalfa blotch leaf miner in Illinois and other Midwestern states.

In The News

What's The Buzz?
Phil Nixon, Extension entomologist, and Jim Appleby, research associate professor, were busy with calls this summer regarding the return of the cicada to Central Illinois. Their findings were reported in the Champaign/Urbana News-Gazette, June 7, 1998 Telegraph Herald, and other area newspapers.

Luna Life
May Berenbaum, professor, insect ecology, and author of "Ninety-nine Gnats, Nits and Nibblers" and "Ninety-nine More Maggots, Mites and Munchers," gives a birth update on the unexpectedly beautiful Luna moth in the May 29, 1998 issue of the Charleston Gazette. When hatched, a Luna caterpillar weighs only 1/20 of a gram. In just a short six to eight weeks, when ready to spin a cocoon, it weighs over 200 grams, more than 4,000 times its hatching weight. "What has he been feasting on?" she asks.

Dark Honey Healthier
In a study analyzing 19 samples of honey from 14 different floral sources, UI scientists found that darker honey has less water and more antioxidants than light-colored honey. Co-authors of the study were May Berenbaum, Gene Robinson, director of the UI bee research facility, and plant biology

graduate student Steven M. Frankel. The study was reported in the Aug. 6, 1998 issue of Inside Illinois.

How Plants "Get Along"
In the June 1, 1998 issue of the Washington Post, Evan DeLucia, associate professor, speaks of the interactions among plants in ecosystems. He says, "Part of the problem is that half the story for plant ecology is happening below ground. It's hard to track plant resources. Where does a molecule of water or a molecule of nitrogen go?"

Morrow Plots in The News
Ted Peck's research and history of the Morrow Plots were reported in the May 3, 1998 issue of the Champaign-Urbana News-Gazette. His compilation of research data now spans from 1875 through 1998. Ted's research was also reported in the May 26, 1998 Register-Mail, Galesburg, IL and in an article in the Peoria Journal Star.

The Morrow Plots were again in the news on August 6. The C-U News-Gazette reported the controversy over a proposed parking garage and fire substation threatening the future of the Plots.

Personals

Ferree Moves to Fulton County
Rhonda Ferree, Extension specialist, resigned her NRES position and is now Unit Assistant, Crop Systems and Horticulture, Fulton County Extension Unit Office, Lewistown, Illinois. NRES sends Rhonda and her family best wishes in their new home. We'll miss her face on campus!

Sandra Brown Returns
Welcome back to Sandra Brown, professor, forest biology, who returns to NRES after IPA leave with the U.S. Environmental Protection Agency in Corvallis, Oregon.

Condolences
John S. Titus, professor of horticulture, emeritus, died May 18, 1998. There was no visitation or public services.

Faculty Home to Rent
From January-June 1999, the home of Mary Ann Lila Smith will be available for rent, along with the family cat, while Mary Ann and family are in New Zealand on a Fulbright. The home is located near downtown Urbana in Richardson Estates, has 3 bedrooms, 2.5 baths, fireplace, and garage. Interested faculty can contact Mary Ann at imagemal@uiuc.edu or phone (217) 333-5154.

Publications

Jafvert, C., W. Chu, K. Marley, and R.A. Larson. 1998. Phototransformations of PCBs in surfactant micelle solutions. Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA.

Larson, R.A. and J. Cervini-Silva. 1998. Electron transfer to organochlorine compounds by an iron (II)-dithionite system. Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA.

Larson, R.A. and K.A. Marley. 1998. Singlet oxygen in the environment. Chapter 5, pp. 124-137, in The handbook of environmental chemistry, Vol. 2, Part L, Environmental photochemistry, P. Boule, ed. Springer Verlag, Heidelberg.

Mihuc, T. 1998. Shifts in the trophic basis of a stream food web following wildfire disturbance. Invited Seminar. 125th Anniversary Yellowstone National Park Fire scientific conference 4.

Mihuc, T., Richard E. Sparks, John C. Nelson, and John Dettmers. 1998. The physical habitat templet and biotic responses in large floodplain rivers. North American Benthological Society.

Mihuc, T., L.T. Beck, and C.F. Bryan. 1998. Long-term comparison of macroinvertebrate assemblages associated with water hyacinth Eichhornia crassipes in a subtropical floodplain river: 1975-76 and 1994-96. International Association of theoretical and Applied Limnology.

Raheel, M. and G. Chen. 1998. Single-step Dyeing and Formaldehyde-free Durable-press Finishing of Cotton Fabric. Textile Research Journal.

Raheel, M. and P.J. Edgcomb. 1998. Dyebath Reconstitution and Reuse in Dyeing Cotton with Direct and Reactive Dyes. Bolitin Intexter.

Calendar of Events

Sept. 7		Labor Day HOLIDAY
Sept. 9	4-6 p.m.	NRES Welcome-Back Party, Landscape /Hort Research Ctr.
Sept. 11	1:30	NRES Faculty Advisory Com. Mtg. - N-527 Turner Hall
Sept. 14	10 a.m.	NRES Faculty Meeting W-121 Turner Hall
Sept. 16	1:30	NRES Acad. Prof. Com. Mtg. W-503 Turner Hall

Sept. 24	11:30	Scholarship Recognition Luncheon Bevier Spice Box
Oct. 17	10:30	NRES Alumni Homecoming - PSL Lobby
Oct. 19		Green Industry Open House St. Charles, Ill.

Student News

Aces Student Advancement Committee Prepares for New Year
The 1998-99 Student Advancement Committee kicked off the new academic year with their annual fall retreat on August 29 at 4-H Memorial Camp in Monticello. SAC is a group of undergraduates selected to represent the College of ACES and help the Advancement Office in fundraising and outreach events. The department of NRES will be represented this year by **Allison Gordon**, junior.

American Fisheries Society Students Affiliate with Nres
After some discussion, the members of the Illinois American Fisheries Society (IL-AFS)-University of Illinois Student Subunit unanimously agreed to an affiliation between their student organization and the Department of NRES. The purpose of the group is to promote aquatic sciences, conservation, and the wise use of fisheries. The student subunit provides students with a chance to gain valuable education, experience, and contacts through involvement with a professional organization—the American Fisheries Society. The group currently has 20 active members and 11 affiliate members.

NRES Students Capture Third Place in Floral Crop Competition
Coached by Professor Emeritus Marvin Carbonneau, the UI floral crop team captured third-place honors in the Floral Crop Evaluation and Design Contest, held last April in Brookings, South Dakota. Ten teams from across the U.S. took part. The University of Wisconsin-River Falls won the Evaluation Contest, and California Polytechnic State University at San Luis, Obispo won second place.

Congratulations to the UI team members: Nate Frericks, junior, Quincy; Julie Kerouac, senior, Kankakee; and Naomi Boehm, junior, Lansing. Naomi also placed third in the Round/Oval Centerpiece Design Competition.

Growers from all over Illinois donated fresh cut flowers and potted plant material for the training sessions. Coach Carbonneau thanks them for their continued support.

Teresa Johnson Awarded Teacher Certificate
Teresa Johnson, graduate research assistant, was recognized by ACES Dean David L. Chicoine for earning the Advanced Graduate Teacher Certificate

Meet the New Hort Club Officers and Advisers

President	Kathryn Dieter
Vice President	Tom Lowe
Treasurer	Alison Brozak
Secretary	Beth Smith
Social Chair	Laura Maupin
Public Relations	Keri Brumfield
Internal Advertising	Susan Holmes
External Advertising	Laurel Barmore
Reporter	Adam Lambiaso
Hort Therapy	Kerri Martin
ACES Council Representatives	Ryan Welch
	Joel Davidson
Flower Show Chair	Wyatt Sweitzer
Grower	Colleen Fritz
Advisors	Dave Williams
	Bob Skirvin

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Number 7, October 1998
University of Illinois at Urbana-Champaign

In this issue:

Upcoming Events
In the News
Conferences & Travels
Personals
Publications
Student News
Awards
Announcements

"...season of mists and mellow fruitfulness"

--To Autumn
John Keats

Upcoming Events

HOMECOMING ALUMNI REUNION!
Show your face! All NRES students, alumni, faculty, and staff are invited to the second annual NRES Homecoming Alumni Reunion, October 17, 1998, 8:30-11 a.m. Stop by the Plant Sciences Laboratory Lobby and say hello to former classmates, faculty, and friends. There'll be door prizes, great conver-sation, and brunch. The Fighting Illini battle the Wisconsin Badgers with kickoff at 11:10 a.m. Want to get involved? RSVP to **Anita Povich,** (3-6258) or a-povich@uiuc.edu or **Janet Alexander**, (4-7387) or alexandj@uiuc.edu

GREEN INDUSTRY EVENT
A first-ever fall gathering in northern Illinois will bring together members of the Green Industry (turfgrass, horticulture and landscape businesses) with ACES and NRES faculty on Monday, October 19, 2:30-6:30 p.m. Peter Orum, general manager owner, Midwest Groundcovers in St. Charles, will host ACES and the Department of NRES for an afternoon of tours and networking. Tours of the Midwest Groundcovers facility will begin at 2:30 p.m., followed by a welcome and introductions with David L. Chicoine, ACES Dean, and Gary L. Rolfe, NRES Department Head. After refreshments, participants will meet in small groups to discuss relevant research and industry issues. Also attending the event will be representatives from the NRES student clubs

(Hort Club, Turf Club, and Illini Foresters). Contact **Anita Povich** for further information.

REGIONAL GRAZING WORKSHOPS
Deborah Cavanaugh-Grant, Extension/research specialist in agriculture, and The Agroecology/ Sustainable Agriculture Program (ASAP) are heading up the planning of a series of three regional workshops on intensive grazing. Participants will gain a general understanding of management intensive grazing systems and will have the necessary resources to refer the clientele to appropriate experts and other sources of information. The workshops are: November 30-December 2 at the Dixon Springs Agricultural Center; March 15-17, 1999 at the Inn at Eagle Creek (Findlay); and April 12-14, 1999 at Highland Community College (Freeport). For more information contact Deborah at 217/968-4412 or e-mail: cavanaughd@mail.aces.uiuc.edu

Awards

NRES HONORS SCHOLARS
The NRES Department recognized its undergraduate and graduate scholars at the Third Annual NRES Scholarship Recognition Luncheon on September 24. Nineteen undergrad scholars and two graduate fellows were recognized by **Gary L. Rolfe**, department head, along with the NRES student advisors and scholarship donors. Guests included Mrs. Virginia Grapey, Garden Clubs of Illinois; Mr. and Mrs. James Waddell, Orville and Freda Waddell Scholarship; Darin Habenicht, Illinois Turfgrass Foundation Scholarship, and Mrs. Russell Odell, Odell Fellowship. Kirby Barrick, associate dean, ACES Academic Programs, spoke to the honorees, and **Gary Kling**, **Tim Marty**, and **Dianne Noland** emceed the recognition program. After the luncheon, **Dave Williams**, professor and Extension specialist, horticulture, took guests on a tour of Japan House and the UI Arboretum

HONOR AWARD TO CAVANAUGH-GRANT
Deborah Cavanaugh-Grant, extension/research specialist in agriculture, was one of six persons recently awarded the Honor Award at the 1998 Soil and Water Conservation Society (SWCS) Annual Conference in San Diego, California. The Honor Award recognizes people for outstanding accomplishments compatible with the mission of the Society. Deborah received the award for her efforts in "promoting sustainable agriculture practices and educating people in their interdependence with their environment and use of soil and water resources."

UI NONACADEMIC SERVICE AWARDS
Four nonacademic service awards were presented at the September NRES faculty meeting. **Paula Moxley** received a five-year certificate, **Dorinda Miller** received a ten-year certificate,

Ken Horn received a key-chain and 15-year certificate, and **Jim Wilsey** received a pen and a 20-year certificate.

ACADEMY OF TEACHING EXCELLENCE
Once again NRES faculty were recognized for excellence in teaching by the College of ACES. **Gary Kling, Robert Skirvin,** and **Bill Sullivan** were appointed to the Academy of Teaching Excellence for a three-year term, 1998-2001. Each was recommended to the Academy by Associate Dean R. Kirby Barrick. **Kling is** associate professor of horticulture, **Skirvin** is professor of horticulture, and **Sullivan** is associate professor.

DISTINGUISHED LECTURER
Robert Novak, associate professor, was this year's Distinguished Lecturer in Entomology in the Department of Entomology at Louisiana State University-Baton Rouge last spring. His lecture was titled, "Applications of Medical Entomology Research to Agricultural Pests."

SPARKS RECEIVES AWARD
Rip Sparks, director of river ecology at River Research Laboratory, received the 1998 Cyrus Mark Conservation Award from the Illinois Chapter of the Nature Conservancy at the Fourth Annual Nature Conservancy Festival and Benefit Dinner, September 12, at the Ryerson Conservation Area in Deerfield. The award acknowledges extraordinary commitment to the conservation of biological diversity.

SLOVENIAN MILITARY HONOR
John Andresen, visiting professor, was the European guest of the Union of War Veterans Association of Slovenia and was awarded the Slovenian Medal of Liberation and became an honorary member of the Slovenian Army Air Surveillance Division.

ILL. DEPT. OF REVENUE GRANT
Ken Olson, professor of pedology and soil conservation, received a two-year grant from the Illinois Department of Revenue to extend and complete the on-going task of updating the soil productivity indices for the approximately 850 soil types identified in the Illinois Cooperative Soil Survey program. The 10-year average yields of corn, soybeans, oats, wheat, sorghum, and forage will be determined for each soil type. Forestry site indices will also be provided. Staff and graduate students in NRES, Crop Sciences, and ACES are currently working on the project.

1998-99 FELLOWSHIPS AWARDED
Congratulations to the 1998-99 NRES fellowship winners. **Jack Juvik**, graduate program coordinator, recently announced that the Downers Grove Garden Club Fellowship was awarded to **Matthew R. Coyner**, graduate student in plant genetics; the

Odell Graduate Fellowship in Soil Science was awarded to **Douglas Kieffer**; and the J. Nelson Spaeth & William R. Boggess Graduate Fellowship in Forestry has two winners this year: **Scott Bretthauer** and **Jeff Zimpher.**

FULBRIGHT GRANT
Khizer Husain is the recipient of a Fulbright Grant to pursue a Master in Science degree at the London School of Hygiene and Tropical Medicine. Khizar is a Campus Honors student and has been doing research in Robert Novak's Medical Entomology Lab since 1995.

AMCA AWARD
Tim Schaub and **Emmalee Kennedy**, undergraduate students working with **Bob Novak**, associate professor, were co-runners-up in the annual student paper competition at the American Mosquito Control Association (AMCA) meeting in Reno Nevada. Tim and Emmalee won this honor as the only undergraduate students in a field of ten composed of graduate students. Each received a cash award of $250 and were honored at the AMCA award banquet.

Announcements

NRES INTERNSHIP PROGRAM WEB SITE
NRES faculty and staff are invited to preview the NRES Internship Program webpage accessed through the NRES homepage or at http://www.aces.uiuc.edu/~nres/internship/internships.html The internship web page serves as an information bulletin board and also provides the link to our new NRES Internship Database, according to **Karyn McDermaid**, internship coordinator. The database contains complete details of all internship announcements. Students can scroll through all entries or conduct specialized searches to cross-match interests with internships.

WELCOME BACK PICNIC
A record crowd joined colleagues, students and friends at the Landscape/Horticulture Research Center on Sept 9 for the NRES Welcome Back Picnic. Thanks to the skillful coordination of **Jim Lang,** NRES Social Committee Chair, the weather cooperated, the food was great, and the atmosphere festive! Other committee members responsible for this successful gathering included **Sherla Carpenter, Mosbah Kushad, Carole Rebeiz, Jeremy Shafer, Tom Voigt, and Hank Wilkinson.**

PPI GRADUATE FELLOWSHIPS
The Potash and Phosphate Institute (PPI) is awarding fellowships of $2,000 each to deserving graduate students in Soil and Plant Science. The students will receive the awards directly from PPI.

No specific duties are required of the recipients. Application forms are available by writing directly to: Potash & Phosphate Institute, 655 Engineering Drive, Suite 110, Norcross, Georgia 30092-2837. All materials must be submitted by January 15, 1999. For more information, contact **Jack Juvik**, graduate program coordinator, at *j-juvik@uiuc.edu*

RESULTS OF READERSHIP SURVEY

Thanks to everyone who returned the *NRES News* readership survey. Here's what you told us:

(1) 60% generally read most of the monthly letter; (2) 80% feel producing 10 issues a year of *NRES News* is satisfactory; (3) 50% think the ideal length of an issue should be 4 pages long; (4) 44% think the length of an article should be one paragraph long. (5) Readers are most interested in reading (a) messages from the department head, (b) information about what's going on in the program areas, (c) information about communication and technology resources; (d) information about faculty publications; and (e) tie between interest in student activities and faculty reflections. (6) 86% think NRES News meets its stated purpose as currently produced; (7) 54% think NRES News should include personal information; (8) 36% voted to receive hard copy only; 36% voted to receive e-mail only; (9) 86% are satisfied with the current arrangement for soliciting contributions

Of those responding, 53% were faculty, 27% academic professionals, and 7% administrative staff, department affiliates, and support staff. Thanks for your input, readers!

CAMPUS BEGINS FUND DRIVE

Each fall campus employees turn their focus to how our community can be helped through donations to the Campus Charitable Fund Drive. Now is the time to help those less fortunate by giving a monetary gift to one or more of the fifteen organizations included in the campaign. The 1998 campus goal is to raise $760,000. The goal for NRES is $6,710.

NRES co-chairs are **Tom Voigt** and **Judy Stoll**. The pledge cards and information have been sent out. Please mark the organization (s) you wish to donate to, either by pay roll deduction or by check, and return the pledge card to Judy Stoll, S-406C Turner Hall, MC-047. If you have not received a pledge card, please email (j-stoll@uiuc.edu) or call (3-3650). Grad students are urged to make a small cash/check donation to help the community

Our departmental goal should be quite easy to exceed if we have good participation. Tom and Judy are challenging the department to make the goal of 50% participation. Each year, for the past three years, the percentage of participation has increased. Let's not break that trend, but realize that 50% participation challenge. If we all participate by making a donation, the department will exceed both the money and percentage goals

That means the community benefits from our generosity. The community is counting on us! Turn your pledge card in today! Deadline is October 29.

CHANGE IN NOTICE OF APPOINTMENT
The department personnel office has received word regarding a change in procedure for issuing notices of appointment. Notices of Appointment will not be received after the 1998-99 campus year when the only change is in regard to salary. An individual can learn of the changes in salary by checking with individual, confidential information in NESSIE (Net-Driven Employee Self-Service and Information Environment) located at webside: *http://nessie.uilr.uillinois.edu.*

NRESGO IS BUSY
Need a Break? Go Bowling with NRESGO!

The NRES Graduate organization (NRESGO) is sponsoring its Annual Bowling Event on November 14, 1998 starting at 1:00 at Old Orchard Lanes, Rt. 45, Savoy. NRESGO will provide a pizza lunch at the bowling alley with money collected from the 50/50 drawing. This activity is open to all NRES graduate students, faculty, staff and their families.

The NRESGO Coffee and Donut Hour will continue every Tuesday morning from 9:30 to 10:30 a.m. in the second-floor lounge of Turner Hall. Donuts are 40¢ each and coffee is 25¢ per cup.

For more information about NRESGO activities, contact President Ryan Hultgren by e-mail: *rhultgre@uiuc.edu* or by phone 3-1713.

Conferences And Travels

ASA CONFERENCE
Maggie Alario, assistant professor of environmental sociology, gave a presentation to the American Sociological Association (ASA) in San Francisco, August 21-25, "Ecological Sciences and Politics: Ecosystem Restoration and its Critics." Maggie also presented at the International Sociological Association in Montreal, July 26-August 1, 1998 on "Ecosystem Restoration and Environmental Policy Outcomes: Between Science and Politics."

IDNR CONFERENCE
Nick Smith-Sebasto, assistant professor and Extension specialist; **Karyn McDermaid**, research specialist in agriculture; and **Dave Kovacic**, associate professor, were invited by the Illinois Department of Natural Resources Forestry Division to present

portions of the summer workshop, "Protecting Our Waterways: Conservation Buffers." The team traveled to the Forestry's Division's annual meeting in Decatur on September 16. Nick presented an overview of conservation buffers, Karyn talked about landowner attitudes related to alternative landuses, and Dave talked about his research on grass and forested buffers and artificial wetlands.

MCDERMAID PRESENTS STUDY

Karyn McDermaid, research specialist in agriculture, presented results of her recent study, "The Illinois Conservation Congress: A Case Study of Public Involvement in Natural Resource Decision-Making," to the Executive Committee of the Illinois Conservation Congress on September 2 in Springfield. Also attending were involved staff of the Illinois Department of Natural Resources (IDNR). The Conservation Congress is a structured public involvement effort that brings together citizen representatives of IDNR constituency groups.

Karen also gave a live radio interview on September 9 with KDHX, public radio from St. Louis. Karyn talked about the findings of the landowner survey she conducted with **Gary L. Rolfe**, department head, and **Dick Warner**, associate professor of natural resource ecology. The radio audience was interested in their findings related to landowner attitudes about flood impacts and alternative uses of floodplain land.

MENDOZA GIVES PRESENTATIONS

Gil Mendoza, associate professor, gave two invited presentations in the Philippines in June: (1) "Remote Sensing, Geographic Information Systems, and Expert Opinions: Their Integrated Use for Sustainable Natural Resource Management," and (2) Production Systems Modeling for Sawmills: An Overview." Gil presented at the International Conference on Science and Technology 2000, at the Philippine-American Academy of Science and Engineering (PAASE), University of the Philippines, and National Academy of Science and Technology, Quezon City, Philippines, June 18-19. The papers were part of the requirement to become a member of the PAASE.

CIFOR REPORTS

Gil Mendoza was invited to collaborate with the Center for International Forestry Research (CIFOR) at Bogor, Indonesia, June 1 - August 21. Colla-boration resulted in three papers/reports: (1) Multiple Criterial Decision Making Approaches to Assessing Forest Sustainability Using Criteria and Indicators: A Case Study - Part I; (2) Multiple Criteria Analysis for Assessing Criteria and Indicators in Sustainable Forest Management: A Case Study on Participatory Decision Making - Part II; (3) Manual: Using Multi-Criteria Analysis (MCA) as Decision Tool for Applying the CIFOR Generic C & I Template

RIVER RESEARCH PROPOSALS

On September 4 and 5, **Rip Sparks**, director of river ecology at River Research Laboratory, and **Tim Mihuc**, director of Great Rivers Field Station, met in Grafton, Illinois with colleagues from several other institutions to develop proposals for joint research on the Ohio and upper Mississippi rivers. Colleagues included Michael Delong, Winona State University, Jim Thorp, Clarkson University, and Paul Bukaveckas, University of Louisville.

AMCA CONFERENCE

Robert Novak, associate professor; Robert Metcalf; **Michael Vodkin**, senior technical scientist; **Richard Lampman**, postdoctoral research associate; **Nina Krasavin**, research specialist in agriculture; **Tim Schaub,** and **Emmalee Kennedy** attended the 64th annual meeting of the American Mosquito Control Association in Reno, Nevada. Vodkinm, Lampman, and Krasavin presented research papers on current investigations in the Medical Entomology Lab. Novak organized and moderated a symposium on the future use and stewardship of pyrethroid insecticides for the global management of mosquitoes and mosquito-borne diseases. Metcalf was a keynote speaker at the Pyrethroid Symposium speaking on the nature and management of resistance as well as the continued need and environmentally safe chemical technologies. Schaub and Kennedy competed in the student scientific paper competition and were judges as co-runner-ups in the competition.

Bob was selected by his peers to be this years Memorial Lecturer at the conference. His presentation was on the life and contributions of Professor Gearge B. Craig, Jr., a teacher, a researcher, and a father. Professor Craig is considered the father of mosquito genetics and was an internationally known medical entomologist and mosquito biologist.

VISITORS AT FIELD STATION

Richard Sparks, director, River Research Laboratory, and **Dave Philipp**, director, Center for Aquatic Ecology, hosted a group of conservation biologists from Ecuador, the Philippines, Thailand, Croatia, Kenya, and Romania at the River Research Field Station on the Illinois River at Havana as part of the Conservation Training Consortium (CTC), composed of the University of Illinois at Chicago, the Field Museum, the Shedd Aquarium, and the Illinois Natural History Survey. CTC provides in-service training for conservation professionals from developing countries The trainees will hear lectures on conserving genetic diversity and managing floodplain-river ecosystems, participate in field work, and view several habitat rehabilitation projects They also described how they work with nongovernmental organizations, sport and commercial fishermen, and local landowners and residents, in conserving species and habitats. Those ideas and approaches should be helpful for the participants in their home

countries for their conservation efforts, management, and research.

ECOLOGICAL REHAB PROGRAMS
Rip Sparks was invited to present a paper, "Controlled hydrodynamics as an ecological rehabilitation measure," at the International Conference on New Approaches to River Management, the University of Nijmegen, The Netherlands. Participants described ecological rehabilitation programs in eastern and western Europe and North America and efforts to preserve biodiversity and ecological functions of large rivers in developing countries. The conference was sponsored by the Foundation of Extraordinary Chairs in Nature Conservation (the Dutch universities of Amsterdam, Groningen, Wageningen, and Nijmegen), the Prince Bernhard Foundation, the Nature monuments Foundation, the World Wide Fund for Nature, and the Dutch Ministry of Public Works and Water Management

In The News

SUPERIOR RATING FOR MS RESEARCH
Hillary Reno, a MD/Ph.D. student of **Bob Novak's**, presented the results of her MS research at the 5th annual Medical Scholars Program Research Symposium held at the Beckman Institute for Advanced Science and Technology. Hillary's presentation, "LaCrosse Virus and a Tale of Two Ecologies," received a Superior rating from the MSP research panel of judges.

ALARIO ON CANADIAN RADIO
Maggie Alario, assistant professor of environmental sociology, was interviewed by journalist Augusta Lapache with the Canadian Broadcast Corporation. The interview was conducted on July 31 in Montreal, and covered "Conflicts Over Strategies to Manage an Urban Ecosystem."

COAL MINE RECLAMATION
Robert Darmody, associate professor of pedology, was featured recently in a Champaign Urbana News-Gazette article related to his research on mine reclamation efforts and research at the Reclamation Research Center, Researchers have found reclaimed coal mines make great farmland because of the meticulous process used to restore them after the coal mines close.

NRES ON RADIO
Mark David, professor, and **Lowell Gentry**, research specialist, were interviewed recently on WILL-AM 580 regarding their research on fertilizer and chemical runoff into Illinois rivers.

ST. CHARLES HRC FEATURED
Bill Shoemaker, senior research specialist, food crops, and the

St. Charles Horticulture Research Center were featured in a Daily Herald article. The article discussed the many different research subjects studied at the research center and also explained the link between the center and NRES.

GOLFING ON THE SOUTH FARMS?
Tom Voigt, assistant professor, Extension turf specialist, **Bruce Branham**, associate professor, and **Hank Wilkinson**, professor, comment in the Champaign-Urbana News Gazette on the proposed idea of a South Campus golf course. "It's an exciting project," Voigt says. "We can do meaningful research integrated into areas of play." Branham reports the university is considering a 27-hole course, which would make it possible to take nine holes out of play periodically for turf research and maintenance work.

A survey taken by Voigt revealed that the state's golf course managers care more than we think about environmental issues because they feel a rich environment enhances the golfing experience.

WILKINSON GOING PRO?
Hank Wilkinson, professor, is moving up in the league. His latest project is helping the Seattle Mariners to grow grass in their enclosed astro-turfed stadium. "Athletes want to play on a natural surface because it's softer, more forgiving," Wilkinson says. "The fans want to go to baseball fields that are grass. It's a trend."

TURTLE TALKIN' IN ILLINOIS
Cory Rubin, a doctoral student in NRES, is listening to his radio, but there's no music coming from this one! Rubin and other DuPage County forest preserve officials are tracking the rare Blanding's turtle by radio transmitters as reported in the August 17, 1998 issue of the Chicago Sun-Times. The Blanding's turtle is rare enough for Illinois officials to consider whether the species should be listed as threatened.

MORE THAN A GOLF COURSE
Lawn mowers are no longer being used in the grassy woods and natural areas outside the fairways at many Chicago-area golf courses, according to **Tom Voigt,** professor and Extension turf grass specialist, in an article in the Chicago Tribune. "Handled properly, these unmowed areas increase wildlife habitat, save money on labor, equipment and chemicals, and enhance the golf experience."

CHECK IT OUT!
Open the Fall 1998 issue of *The Illinois Steward* to the article, "Riparian Buffer Strips – Following Nature's Example." The article discusses the research by NRES faculty members using riparian buffer strips to filter water draining out of field tiles. NRES faculty members interviewed in the article included **Gary**

L. Rolfe, department head; **Karyn McDermaid**, research specialist; **Nick Smith-Sebasto**, extension specialist in environmental education; **Lowell Gentry**, research specialist; and **David Kovacic**, landscape ecologist.

AVOIDING THE PERILS OF RYEGRASS
Brian Horgan, NRES grad student, working with **Bruce Branham**, associate professor, has his input in the August 1998 issue of *Golf Course Management*, "How to kill perennial ryegrass in overseeded fairways." Horgan reports on how turf managers can avoid the many headaches associated with removing the perennial ryegrass —the result of overseeding fairways.

Personals

KAREN SMITH WEDS DOUGLAS STARKS
Best wishes to NRES Research Specialist **Karen Smith** and Douglas Starks, who were married October 3, 1998 at St Boniface Church, in rural Seymour, Ill. Karen is pursuing a master's degree in environmental science, and Doug is the store manager for Sherwin-Williams, Champaign.

LOWRYS WELCOME BABY GIRL
Sarah Elaine Lowry was born to Warren and **Mary Lowry**, research specialist in agriculture, August 26 at 1:55 p.m. Sarah weighed 7 lbs. 11 oz. and joins baby sister, Amanda. Best wishes to the Lowry family.

Student News

MEET THE ILLINI FORESTERS OFFICERS
The new officers for the Illini Foresters for 1998-99 are:
President Phil Bergsrud
Vice President Scott Meister
Secretary Kara Boostrom
Treasurer Brent Weaver
Quarter Master Scott Hopton

MEET THE TURF CLUB OFFICERS
The new officers for the Turf Club for 1998-99 are.
President Kevin Barto
Vice President Brian West
Secretary/Treasurer Suzi Zarlengo
Chapter Liaison Ryan Welch

Publications

Hanks, L.M., J.G. Millar, and T.D. Paine. 1998. Dispersal of the eucalyptus longhorned borer *Coleoptera: Cerambycidae* in urban

landscapes. Environ. Entomol. 27 (in press).

Hanks, L.M. and R.F. Denno. 1998. Dispersal and adaptive deme formation in sedentary coccoid insects. In S. Mopper and S Y Strauss (eds.) Genetic Structure and Local Adaptation in Natural Insect Populations: Effects of Ecology, Life History, and Behavior. Chapman & Hall, New York. pp. 239-262.

Hanks, L.M. 1999. Larval host requirements and reproductive strategy in cerambycid beetles. Annu. Rev. Entomol. 44: (in press).

Voigt, T.B., T.W. Fermanian, and **W.C. Sullivan**. 1998. Selecting Kentucky Bluegrass Cultivars. *Crop Science* 38 (4): 1035-1041

Jonas, J.L. and **D.H. Wahl**. 1998. The relative importance of direct and indirect effects of starvation for young walleye. Transactions of the American Fisheries Society 127:192-205.

Swisher, B.J. D.A. Soluk, and **D.H. Wahl**. 1998. Non-additive predation in littoral habitats: influences of habitat complexity and behavior. Oikos 81:30-37.

Irwin, E.R., F.J. Rahel, D.L. Parrish, and **D.H. Wahl** 1998 Enhancing professionalism: awards and grants for student members of the American Fisheries Society. Fisheries 23 20-23.

Calendar of Events

Oct. 9	2:00 p.m.	Groundbreaking for ACES Library, Information Center
Oct. 12-16		Extension Annual Conference; Holiday Inn, Urbana
Oct. 13	1:15 p.m.	NRES Faculty meeting W121 Turner Hall
Oct. 17	8:30 a.m.	Alumni Homecoming Reunion PSL Lobby
Oct. 19	3:00 p.m.	Green Industry Event St. Charles, Ill.
Nov. 63-5	:00 p.m.	ACES Faculty meeting 150 Animal Sciences
Nov. 7		4-H Day
Nov. 26-27		Thanksgiving Holiday
Dec. 4	5:30 p.m.	JBT Banquet Reception Illini Union South Lounge

	6:00 p.m.	JBT Dinner and Program Illini Union ABC
		Final exams
Dec. 24-25		Holiday
Dec. 30-31		Holiday
Jan. 1		Holiday

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 9, November 1998
University of Illinois at Urbana-Champaign

In this issue:

Teachers Ranked Excellent
Student News
Upcoming Events
Awards & Grants
Conferences & Lectures
In the News
Personnel
Volunteer Opportunities

Happy Thanksgiving, Everyone

NRES Business Office Changes
Sherla Carpenter, NRES Business Manager, has accepted a new position as Director of Budget and Resource Planning for the Department of Mechanical and Industrial Engineering on the UI campus. October 23 was her last day in the NRES Business Office. ACES and NRES faculty and staff gathered for a going-away reception for Sherla Oct. 15, where she was presented with a Larry Kanfer framed photo and NRES memorabilia. The NRES Department acknowledges Sherla for her 15 years of service to the College of ACES and NRES. In the interim, while we search for a new business manager, Joyce Canaday and Ray Sanden will serve as NRES business office contacts.

Teachers Ranked Excellent

Teachers Ranked Excellent
Five NRES teachers proved their excellence in the classroom by appearing on the "incomplete list of teachers ranked as excellent" by their students. Based on data collected in spring 1998, the following faculty (and respective courses) were cited for top honors: Dick Brazee, NRES 311; John Hassett, NRES 387; Dianne Noland, NRES 107 and 247; Bob Skirvin, NRES 103; and Teaching Assistant Anthony Kahtz, NRES 254.

NRES Meets with Green Industry
The Oct. 19 first-time meeting of the Chicago-area Green Industry attracted about 80 people to Midwest Groundcovers in St. Charles, Illinois. Peter Orum, owner/manager, hosted the event, which was sponsored by ACES/NRES to foster improved communications and dialogue with the rapidly growing green

industry.

Attending were green industry leaders, ACES and NRES alumni; NRES faculty, students, and department leaders; NRES External Advisory Committee members; Extension unit and center professionals; ACES deans; and representatives from Robert Allerton Park, the College of Fine and Applied Arts, and the Department of Landscape Architecture

Participants were invited to tour Midwest Groundcovers and network before the program began, with small-group discussions about relevant research and industry issues.

The event was coordinated by Anita Povich, communications and development specialist, with Barry Dickerson and E.Louise Rogers from the ACES Advancement Office. They are currently compiling and summarizing information that will lead to a follow-up report and timeframe for future activities with industry

Taking part in the event were ACES Deans David L. Chicoine, Denny Campion, Lynette Marshall, and Steve Pueppke; FAA Dean Kathleen Conlin; Landscape Architecture Head Vince Bellafiore, along with several faculty from LA; NRES attendees Gary L. Rolfe, Jim Appleby, Tony Endress, Gary Kling, Anita Povich, Bill Shoemaker, Mary Ann Smith, Art Spomer, Chuck Voigt, Daniel Warnock, and David Williams; UI Extension members Barbara Larson, Fred Miller, James Schuster, Bruce Spangenberg, Bill Whiteside, and Sharon Yiesla; NRES Hort Club officers, Kathryn Dieter, Adam Lambiaso, and Ryan Welch; and Illini Forester Past President Aaron White.

Upcoming Events

ILL. Environmental Policy Review
The University of Illinois and the Department of NRES will soon be publishing the first issue of the Illinois Environmental Policy Review. Funds from Partnership Illinois and the department support the project during its first year.

The Illinois Environmental Policy Review (IEPR) is published by UI professors to meet the needs of Illinois cities, counties, and citizens related to environmental policy. The IEPR allows University faculty and others who have valuable expertise and knowledge concerning policy and decision making to share their knowledge with Illinois.

IEPR is published in January and June and consists primarily of short articles describing the environmental policy choices facing Illinois citizens, the consequences of federal, state, and local environmental policies in Illinois, and the associated decision

making processes. Pro and con viewpoints will be encouraged. Everyone is invited to contribute articles. All articles must be relevant to Illinois.

An editorial board of twelve UI professors oversees the IEPR. The editors represent a variety of scholarly perspectives from across the UIUC campus. David Onstad is managing editor and other NRES staff on the Editorial Board are: Maggie Alario, Dick Brazee, Mike Jeffords, Rick Larson, Greg McIsaac, and Ann Reisner.

For more information, contact David Onstad at 217-333-6820 or e-mail at: *onstad@uiuc.edu*

Available Fellowships
Graduate students can now apply for two new fellowships. The first is the On-Campus Dissertation Research Grant, due December 3, 1998, for doctoral candidates who have passed the preliminary examination and begun serious work on the dissertation. The maximum grant is $750, most grants will be less.

The second is the Grants for Master's Thesis or Projects, due December 10, for master's degree candidates who have begun serious work on the thesis or project. The maximum grant is $250; most grants will be for less. Contact Donna Prahl in W511 Turner Hall for more information on both grants.

Vineyard Field Demonstration
The Sustainable Agriculture Grant Program and the Illinois Grape Growers and Vintners Association will conduct a field demonstration on November 7, 1998 from 9-12:00 noon at Rolling Hills Vineyard in New Salem, Illinois. Bob Skirvin, professor of horticulture, and Alan Otterbacher, principal research specialist in agriculture, will conduct a field examination of a newly planted experimental selection of vines. These plantings are one of four sites throughout the state which will be used to help determine the suitability of various grape varieties for commercial production in the state. Contact Bob, Alan or Dan Anderson for more information.

Preparing for Change
A day-long conference planned to enable producers to meet rapid change in agriculture head-on is planned for December 10 at the Urbana Holiday Inn. The conference is co-sponsored by the UI Agroecology/ Sustainable Agriculture Program, the NCR Sustainable Agriculture Research and Education program, the UI Department of NRES, UI Office of Research, UI Extension, and several other organizations and Universities.

Contact Deborah Cavanaugh-Grant, Extension/research specialist , at 217/968-5512 or e-mail: *cavanaughd@mail.aces.uiuc.edu* for more information Registration is due to Deborah by November 20. Information is also available at website: *http://www.aces.uiuc.edu/~asap*

2nd Annual Alumni Homecoming
Thanks to everyone who supported the Second Annual NRES Alumni Reunion during Homecoming Weekend. Faculty, students, and alums socialized before the football game in the Plant Sciences Lab lobby. The alumni traveling the greatest distance were Dixie and Martin Kovacs, (horticulture,'56) from Memphis, Tennessee. Kovaks is pesticide registration scientist with Drexel Chemical Co. and a former member of the Hort Club. Hort Club President Kathryn Dieter and members helped plan and coordinate the event with Janet Alexander, Sherla Carpenter, and Anita Povich.

Awards & Grants

SARE Grants
Three members of the NRES faculty received USDA Sustainable Agriculture Research and Education (SARE) grants this fall. Greg McIsaac, assistant professor, received $104,777 for his research, "Nutrient and Pesticide Loads in Subsurface Drainage from Organic and Conventional Cropping Practices."

Deborah Cavanaugh-Grant, research specialist, received $32,308 for her workshop, Introduction to Management Intensive Grazing Workshop and "Resource Manual for Educators."

Richard Warner, associate professor, received $12,000 for his program, "State Strategies in Sustainable Agriculture Education."

Specialty Crop Conference Jan. 14
Bill Shoemaker, senior research specialist, food crops, and Mary Lowry, research specialist, are busy coordinating the upcoming Illinois Specialty Crop Conference, scheduled January 14-16, 1999 at the Clarion Hotel and Conference Center (former Chancellor Hotel) in Champaign. NRES has assumed responsibility for coordination of this yearly event, formerly known as the Illinois Specialty Growers Convention and Trade Show.

The Conference traditionally brings several hundred specialty growers together for educational sessions and a trade show. This year the Saturday sessions will be directed at the general public, in addition to the specialty growers. Other NRES faculty involved are Jeff Kindhart, senior research specialist in agriculture; Mosbah Kushad, assistant professor, food crops; Bill Simmons,

associate professor; and Chuck Voigt, research specialist in agriculture..

Booth reservations and information are available from Mary Lowry, W503 Turner Hall, call 217/244-5761 or send a request by e-mail to: *lowry@uiuc.edu*. Applications and payment of booth rental are due December 1, 1998.

Conferences And Travels

Austen Participates in Conference
Doug Austen, NRES affiliate, and head of the Illinois Department of Natural Resources (IDNR) watershed management section, was recently invited to participate in the September 3-4 workshop, "Assessing aquatic resources: a national workshop to determine information needs," in Washington, D.C. This was a follow-up to the Aquatic Gap workshop held in conjunction with the National Freshwater Fisheries Database Summit coordinated by Doug earlier this year in San Diego.

Doug has also recently been installed as president of the North Central Division of the American Fisheries Society. The AFS/NCD covers 12 states and five Canadian provinces and is the professional society of fisheries scientists, managers, and educators.

IWPA Board Meeting
Poo Chow, professor of wood science, attended the Board Meeting of the Illinois Wood Products Association in East St. Louis on October 16-18, 1998.

Attend Soil Meetings
Mark David, professor, and Lowell Gentry, research specialist, attended the Soil Science Society of America annual meeting in Baltimore, Maryland from October 18-22. They presented the following papers, "Modeling soil processes that regulate tile nitrate concentrations," "Role of seedlings in constructed wetlands receiving tile drainage waters," and "Constructed wetland remediation of agricultural tile drainage waters."

Arctic Circle Conference
Last September, George Gertner, professor of biometrics, attended a conference on Forest Process Models. The conference took place above the Arctic Circle in northern Lapland (Finland). He presented a paper titled, "Estimation of Entities of a Forest Process Model Based on the Field Data."

George has also started a new two-year project with the Swiss Federal Institute of Forestry, Landscape, and Snow Research entitled, "Can virtual reality based on forest simulation models be

a substitute for reality based on research field data?"

Peet Scientists to England
Scientists from five institutions (UIUC, INHS, North Carolina State, University of Queensland, Australia, and USDA Systematic Entomology Lab at the Smithsonian Institution) involved in the Therevid PEET (NSF's Partnership for Enhancing Expertise in Taxonomy) team participated in the 4th International Congress of Diptera in Oxford, England, September 6-11. Mike Irwin, professor, presented a talk, "The internal hierarchy of the Therevidae and biogeographic pattern of extant higher rank taxa (Brachycera: Asiloidea)." Gail Kampmeier, senior research specialist, presented a poster, "MANDALA: A database weaving together information on specimens, nomenclature, and literature for systematics research," and gave a demonstration of MANDALA at the session, "Diptera Collections and Databases." The four posters presented by UI scientists are currently on display outside 164 Natural Resources Building.

While in England, Gail traveled to Reading, England to the Taxonomic Databases Working Group (TDWG) meeting. She demonstrated MANDALA, covering the features of the poster she presented in Oxford. Gail was also elected to the Executive Committee to help develop and expand the role of non-botanists in TDWG.

Bug Conferences
Mike Irwin attended the joint meeting of the Greenbug Research Consortium and the Western Coordinating Committee 66 at Oklahoma State University, Stillwater, Oklahoma, September 16, and was invited to present a talk on aphid dispersal and migration "How do we measure it and what does it mean?" A panel discussed the topic.

Attends IPM Congress
Mike Irwin attended the International IPM Congress, along with the 7th Latin American White Fly and Gemini Virus Workshop, and the 28th annual meeting of the APS-Caribbean Division, in Managua, Nicaragua, October 25-31, and presented an invited talk, "The role of CICP in IPM information dissemination," as part of a symposium on Global IPM Initiatives. He represented the Consortium for International Crop Protection at that meeting.

Korban Has Busy Fall
Schuyler S. Korban, professor of plant genetics, participated in the 7th Annual Retreat of the Functional Foods for Health Program where he presented an invited talk on "Designing food crops for delivery of edible vaccines" in Monticello, Illinois

Schuyler was selected to participate in the Class 8 ESCOP ACOP

Leadership Development Program and recently traveled to Indianapolis to attend the ESCOP/ACOP workshop meetings September 12-17, 1998.

He was an invited speaker at the 15th Brazilian Congress on Fruit Science held at Pocos de Caldas, Minas Gerais, Brazil, and presented a talk on "Influence of growth regulators on fruit plant growth and development," October 18-23, 1998.

Schuyler was also recently invited to join the Editorial Boards of two international journals, *Plant Cell Tissue and Organ Culture* and the *Journal of In Vitro Cellular and Development Biology*. He will serve on each of the two boards for a period of three years as of September 1998.

Lang Presents Poster
Jim Lang, assistant agronomist, presented a poster entitled, "Using Soil Properties to Estimate Crop and Forage Yields," on October 20, 1998 at the 90th Annual ASA-CSSA-SSSA Meetings in Baltimore, Maryland held from October 18-22, 1998. The presentation was authored by Jim Lang, J.D. Garcia-Paredes, and Ken Olson, professor.

Attends Indonesian Conferences
Gil Mendoza, associate professor, attended an International Conference on Remote Sensing and Geographic Information Systems on Tropical Forests, in Jakarta, Indonesia, October 26-29. He presented a paper, "Integrating Multicriteria Decision Making and Geographic Information System for Assessing Sustainability in Tropical Forests." Also while in Indonesia, Gil visited the Center for International Forestry Research at Bogor, Indonesia and presented two seminars; one at CIFOR and another at the Faculty of Forestry, Bogor Agricultural University.

Miller Presents at Conference
Fred Miller, Extension entomologist, presented a paper, "Suitability of Asian elms and their hybrids for the adult elm leaf beetle," and two posters, "Environmental tolerance of elms (*Ulmus* spp.) and their hybrids under field conditions of high elevation and cool climate of east central Arizona." and "Seasonal activity, within tree distribution, and feeding preference of the elm leafminer on *Ulmus* spp," at the First International Elm Conference, Oak Brook, Illinois, sponsored by the Morton Arboretum, October 1-3, 1998.

Tank Attends Conference
Jennifer Tank, assistant professor, traveled to the Lake Erie Center at the University of Toledo, Ohio, October 17-19, for a workshop on Extracellular Enzyme Activity and its application to ecology research.

Students in the News

MACHS Convention
The Horticulture Club will be hosting the Mid-America Collegiate Horticulture Society's (MACHS) annual convention this coming spring break, March 17-20, 1999. Top horticulture undergraduates from 12 mid-American states will be meeting here to interact with each other, faculty and industry professionals. They will attend horticultural seminars and workshops, present research papers and posters, and compete in plant judging and other competitions. Tours of the campus and the Department of NRES facilities, as well as a day touring horticultural industries in the Chicago area, will be part of the conference.

Alison Brozak, MACHS Chairperson, says this is an opportunity for NRES to show off its facilities, research, and graduate programs to top horticulture undergraduates from across the country. The MACHS Planning Committee is putting together a schedule of events for visiting students. If you are interested in sharing your ideas with this committee, or have any questions about MACHS 1999, email Alison Brozak at: *a-brozak@uiuc.edu.*

Bajwa Takes Prelims
Dilpreet S. Bajwa, doctoral student, will take his preliminary examination (admission to candidacy for the Ph.D. in NRES, specializing in Wood Science) at 9:00 a.m., Monday, November 6, in room 104, AESB. The Guidance Committee members are Poo Chow, Richard J. Brazee, Mastura Raheel, and Susan Aref

New Students in Korban's Lab
Welcome to Jason Carr and Xiangqian Li who have recently joined Schuyler S. Korban's laboratory as new graduate students in NRES. Jason is pursuing his Master's degree in plant genetics, while Xiangqian is pursuing his Ph.D. degree in plant molecular biology, both under the direction of Schuyler.

Cieciwa Wins Scholarship
James A. Cieciwa, senior in Wood Products and Forest Science, was awarded a $500 scholarship from the Midwest Section of the Forest Products Society at the fall conference held in Amana, Iowa on October 5, 1998. James won the essay contest (500 words). Poo Chow, Dilpreet Bajwa, and Tait Bowers also attended the conference.

Hofmann Completes MS Program
Congratulations to Nicolle Hofmann, who recently completed her M.S. program under the supervision of Schuyler S. Korban, professor of plant genetics, and is pursuing another graduate degree in NRES with Andy Hamblin, assistant professor of

turfgrass.

Nicolle and Tae-seok Ko, postdoctoral research assistant, attended the Annual Meetings of the Society for In Vitro Biology and both presented contributed papers in Las Vegas, Nevada

Tours Missouri Gardens
Mike Irwin took his graduate students to the Missouri Botanical Garden, St. Louis, Missouri, October 9-10, to attend the 45th Annual Systematics Symposium, which had many internationally renowned speakers addressing the question of our unknown planet and the biodiversity of life it really contains.

How to Choose a Thesis Advisor
Michael Loui, Associate Dean, Graduate College, will offer two sessions of his popular workshop on 'the most important decision you will make in your life,' "How to Choose A Thesis Advisor." First session is Wednesday, December 2, 5-6:00 p.m. in the Main Lobby, Daniels Hall. The second session is Thursday, December 3, 7-8:00 p.m. in the Main Lobby, Sherman Hall.

In The News

Beetle Invades Illinois
Articles written by Jim Appleby, research associate professor, regarding the Asian Longhorned Beetle invasion in Illinois appeared in the Summer 1998 issue of *Illinois Arboriculture* and the September 1998 issue of *Growing Trends*. The beetle is being found in maple, poplar, willow, mulberry, plum, pear, black locust, and elm trees in the Chicago area. Jim also has a two-page colored handout describing the beetle and how to recognize its damage. You can also find the two-page handout on the www at: *http://www.aces.uiuc.edu/~nres/wtsnew.html*

Alder Trees No Longer Pests
Until recently, most scientists and foresters regarded alder trees and other trees of the actinorhizal species as pests or weedy growth, but not Jeff Dawson, professor, tree physiology. The research conducted by Jeff, studying the nitrogen-rich trees, was reported in the October 25 issue of the Champaign Urbana *News-Gazette*. "They're part of Mother Nature's rehabilitation system," he said.

Tomato Time
Jack Juvik, professor of plant genetics, is studying what he calls "good-tasting bags of water" - also known as tomatoes. In the August 24, 1998 issue of theChampaign/Urbana *News Gazette*, Jack reports that he is looking for a way to increase the sugar content in tomatoes. As with almost anything, sugar can even improve the taste of tomatoes. Jack also gives credit to our

ancestors for cultivating the wild tomato. "They saved seeds of the ones they liked best. It was an inexact approach, but they took something the size of a pea and got the first tomatoes," he said.

Cleaning the Water
Dave Kovacic, associate professor, found that microbes in two new Lake Bloomington wetlands have removed 20 to 30 percent of nitrates entering the wetlands from the surrounding lands. A recent article in *The Bloomington Pantagraph* reports that Kovacic's research fits into a project by the City of Bloomington to find ways of improving water quality by keeping such elements as nitrates out of Lake Bloomington, the city's drinking water supply source.

The Big Apples
So, an apple a day keeps the doctor away? According to Mosbah Kushad's report in the August 27 issue of *Illinois Agrinews*, this would be a great season to follow that advice. Due to a mild spring, the quality of this year's apples is excellent. Mosbah pointed out as an example, the Gala apple. Normally 2 inches in diameter, this year they are being measured at 2.5 inch diameter.

Beetles Make a Comeback
A *New York Times* article describes the comeback of the corn rootworm beetle in the Midwest, to the dismay of Illinois farmers. The Oct. 20 Science Page highlighted the UI team efforts of Eli Levine, associate professor, Joe Spencer, postdoctoral research associate, Robert Novak, associate professor, Kevin Steffey, and Robert Metcalf. Also quoted in the article were Greg Pool, a farmer from Melvin, Illinois, John Thompson, evolutionary biologist at Washington State University in Pullman, and Larry Bledsoe, entomologist with the Purdue University Extension Service.

The beetles had developed a resistance to pesticides, but in the past the strategy of rotating corn and soybean crops was found to be effective in keeping the insects at bay. When the larvae emerged after a year and found themselves in a field of soybeans, they would starve to death. Recently, however, the beetle has adapted and can now eat both corn and soybeans, evading the efforts of farmers.

Survey Says . . .
Phil Mankin, senior research specialist and wildlife ecologist, and Dick Warner, associate professor of natural resource ecology, found from a survey that most Illinois residents are wildlife-friendly. The survey had some interesting findings. For example, almost one-fourth of those surveyed rank wildlife at the same level as humans in society. Also, more than 8 out of 10 say that they have participated in observing, feeding, or photographing wildlife in the past year. These findings were reported in the July

3, 1998 issue of *Illinois Agrinews*, the July 5, 1998 issue of *The Bloomington Pantagraph*, and a July issue of the Champaign/Urbana *News Gazette*.

Buffer Zones to the Rescue
Gary Rolfe, NRES Department Head, and Karyn McDermaid, research specialist in agriculture, are working on ways to use buffer zones against floods. Karyn reports in a recent Champaign/Urbana *News Gazette* article that buffer zones are made up of different trees, shrubs and grasses - which use the flowing water while also slowing down the rush of water to creeks, streams and rivers.

Wine, a New Ill. Commodity?
Bob Skirvin, professor, and Alan Otterbacher, principal research specialist, spend their days touring state wineries, trying to help grape growers and winemakers identify the right grapes and growing practices to make vintages with verve. Their work was reported in the September 13, 1998 issue of the Champaign/Urbana *News-Gazette* and the September 19, 1998 issue of *The Register-Mail*, Galesburg, Illinois. They also want to persuade wine drinkers of Illinois, the fifth ranked state in wine consumption, to support local winemakers.

Is it Too Late to Seed?
Tom Voigt, assistant professor, reports in the Sept. 25 issue of *Illinois Agrinews*, that for a healthy green lawn in the spring, fall is the time to seed. "There are several reasons why fall is best for planting cool-season grasses," says Voigt. "There's not as much competition with annual weeds at this time, grass seed germinates best during the varying temperature regime of fall, and the seedlings have the opportunity to develop a good set of roots before facing the hot, dry weather of the subsequent summer."

Beetles Beat Loosestrife
Rob Wiedenmann, assistant professor, and Dave Voegtlin, associate taxonomist, are using some "nasty" little beetles to fight a "nasty" little weed, as reported in the September 27 issue of *Modern Farmer*. Bred in a Champaign greenhouse, these beetles are fighting loosestrife, a weed that is choking wetlands, preserves and other public lands. After all their hard work, these beetles have even earned themselves a name - the black-margined loosestrife beetles.

NRES Does it Again!
A resounding shout of THANKS to those who participated in this year's Campus Charitable Fund Drive to help people in our community. NRES exceeded our goal, contributing $7640.00 or 114% of goal with just 21% participation. Just think of how much we could have raised for these special agencies if we had had 50% participation! The official fund drive ends this week, but

donations will continue to be accepted until December Again, Co-Chairs Tom Voigt and Judy Stoll extend their grateful thanks to those who participated in the fund drive.

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Calendar of Events

Nov. 6		ACES Faculty Mtg. 150 ASL
Nov. 7		4-H Day
Nov. 16	1:30	NRES Faculty Mtg. W 121 Turner Hall
Nov. 26-		Thanksgiving Holiday
Dec. 4	5:30	JBT Banquet Reception Illini Union South Lounge
	6:00	JBT Dinner & Program Illini Union Room ABC
Dec. 14-19		Final Exams
Dec. 17	2:00	NRES Faculty Mtg. W 121 Turner Hall
Dec. 24-25		Holiday
Dec. 30-31		Holiday
Jan. 1		Holiday

Jan. 12	NRES Retreat Holiday Inn, Urbana
Jan. 14-16	Specialty Crop Conf. Clarion Hotel,

Have a Great Turkey Day

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

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University of Illinois at Urbana-Champaign

In this issue:

Publications
Student News

HAPPY HOLIDAYS, EVERYONE!

As you read this, the sun may be shining on the south end of the UIUC campus. The Illini Foresters, led by President **Phil Bergsrud**, are probably readying the Illini Plantations site for their annual tree sale Dec. 3-6. By the time the Hort Club members, led by President **Kathryn Dieter**, are displaying their wreaths and poinsettias for the Dec. 3-4 sale (first floor Mumford Hall), rain could be mixing with snow. The weather may be the last thing on your mind as you think about the season's shorter days, upcoming final exams, December holidays, and the year's end.

When 1999 rolls around, many of us will be entering that in-between time, when students are on break and we either play at catch-up or just plain play. Wherever and however you celebrate the end of 1998, the *NRES News* staff wishes you and your loved ones a most peaceful holiday time.

LOWRY HEADS STUDENT SERVICES CENTER

Mary Lowry, NRES research specialist, was named coordinator of the new NRES Student Services Center. The Center is now open to provide undergraduate and graduate students with improved services, standardized procedures, and increased communication from ACES and NRES. The center is located in W-511 Turner Hall, the former Academic Programs Office, and will be open 8-5, M-F. Graduate admissions, classroom assignments, timetables, course scheduling, and coordination with undergraduate and graduate committees will continue to be offered, in addition to job placement and internship coordination. **Judy Allen-Davis** is the student services secretary, and **Tim Marty**, NRES instructor, is the student services undergraduate advisor.

CONGRATS TO DR. PARYSOW

Pablo Parysow, postdoctoral research associate, has accepted a position as assistant professor of forest biometrics at Northern Arizona University in Flagstaff, Arizona. Pablo completed his undergraduate studies at the National University of Santiago del Estero, located in North Central Argentina. He began studies at UIUC after graduation, working with George Gertner and earning his master's and doctor's degrees in forest biometrics. Pablo will start his new position in Arizona on June 1, 1999, and invites everyone to visit. Pablo writes, "I am very grateful for the opportunity and support I was given to do my graduate and postdoctoral work at the U of I. I am very happy about starting my own research and teaching program at NAU. I would like to keep in touch with all the wonderful people I met at the U of I. and also continue collaborating in future endeavors." Congratulations, Pablo, and *buena suerte* in your new venture

LANG TACKLES CITIZENS POLICE ACADEMY

Jim Lang, assistant agronomist, received a Certificate of Completion and a limited edition coffee mug for graduating from the Champaign County Citizen Police Academy, a ten-meeting course held weekly at the University of Illinois Police Training Institute twice a year. Subjects covered in the course included orientation to law enforcement, police agency personnel (U of I PD, Champaign PD, Urbana PD, Mahomet PD, Champaign Co. Sheriff's Office, Illinois State Police, and the F.B.I.), community based policing and neighborhood watch, use of force and defensive tactics, citizen use force and firearms safety, domestic violence, gangs, drugs, cultural diversity, Champaign Co. criminal justice system, K-9 police dog training and performance, Swat Team and explosive ordinance disposal equipment, a tour of the county jail, a tour of METCAD 911 (METropolitan Computer Aided Dispatch), citizen/police contact, citizen complaint process and Crime Stoppers. Who ya' gonna call?

TURF DATABASE MINING

The collaboration of **Tom Voigt**, extension specialist in turfgrass management; **Tom Fermanian**, associate professor of turfgrass management; and R.R. Bharat Rao from the Department of Electrical and Computer Engineering, led to their article "Database Mining of Turfgrass Cultivar Performance" in *AI Applications in Agriculture*. Their project began with compiling nationally collected performance data for Kentucky Bluegrass cultivars from the National Turfgrass Evaluation Program (NTEP). Using a computer, they explored the database to find instances of high cultivar quality or performance in unique growing conditions. Then, the computer's findings were compared to the accepted rules of which cultivars work best in what conditions. Eighty-five relationships between the cultivar's quality and performance and its environment were found by the computer: 71% of which fit accepted relationships, 29% of which

were unexpected.

Upcoming Events

NRES RETREAT ON THE HORIZON

NRES will hold its fourth departmental retreat on January 12, 1999. **Mark David**, chair of the Retreat Committee, and **Michelle Wander**, committee member, gave a brief overview of the retreat's agenda at the faculty meeting Nov. 16. Agenda topics include the future growth of the department, undergraduate curricula issues, and presentations about advising, requirements, and other issues related to both graduate and undergraduate students.

Preliminary activities will take place during the weeks leading up to the retreat. Everyone is urged to participate. The retreat will take place at the Holiday Inn, Urbana, IL from 8:00 a.m. through dinner.

AGRICULTURE IS A CHANGIN'

On December 10, the Holiday Inn in Urbana is where you want to be for a day-long conference on how to meet rapid change in agriculture head-on. "Though it is starting to sound trite, it's true: today's successful farm producers must prepare themselves for unprecedented levels of change," says **Deborah Cavanaugh-Grant**, Extension sustainable agriculture specialist. "This conference, 'Farming Profitability in a Changing Environment,' offers a mixture of producers and scientists to talk about effective ways of meeting the challenge of change."

Registration is now $50 per person. If you would like more information, contact Deborah by phone at (217)968-5512, or by e-mail at *cavanaughd@mail.aces.uiuc.edu* Detailed conference information is also available at *http://www.aces.uiuc.edu/~asap*

MARK YOUR CALENDARS

The UI Environmental Convocation is Friday April 23, 1999 at the UI-Springfield campus. This year's theme is "Ecosystem Health". This one day meeting offers students the opportunity to present research results addressing the broad range of issues relating to ecosystem and environmental health. This year's keynote speaker is **George M. Gray**, deputy director of the Harvard Center for Risk Analysis and Instructor in Risk Analysis at the John F. Kennedy School of Public Health

Gray is a toxicologist who earned his B.S. in Biology at the University of Michigan and his M.S. and Ph.D. in Toxicology at the University of Rochester. Having worked with many companies and trade groups as well as federal and local government groups, Gray is interested in using more and better

scientific information in the process of risk-assessment

Paper and poster abstracts must be received by March 1, 1999. A call for papers will be mailed in early December. Further information is available from Anita Povich, W-503 Turner Hall, or Brenda Suhling, Institute for Public Affairs-PAC 409, University of Illinois at Springfield, Springfield, IL 62794-9243.

Conferences and Travels

- **Maggie Alario**, assistant professor, was invited to give a lecture at the Departments of Rural Sociology and Environmental Studies, University of Wisconsin-Madison, on November 13th. The title of her lecture was "Fire in the Park: The Sociology of Ecosystem Restoration in Chicago"

- In November, Lieutenant Colonel **John Andresen**, visiting professor, was invited to provide urban forest management advice to Colorado's National Guard Adjutant General William Westerdahl, Brigadier General Gary Franch, and Colonel Raphael Nun-Marin. Dr. Andresen also presented urban forestry seminars at the USAF Academy, Peterson AFB, and Fort Carson.

- The NRES Turf Group, **Bruce Branham, Tom Fermanian, Andy Hamblin, Tom Voigt, and Hank Wilkinson**, traveled to St. Charles, Illinois, for The North Central Turfgrass Exposition from December 1-3, sponsored by the Turfgrass Foundation. This year's event was the 15th annual meeting, which highlights Illinois turfgrass research through educational seminars and research updates. A part of the annual event was the scholarship luncheon, at which time recipients of the Illinois Turfgrass Foundation Scholarships were named

- **Mike Irwin**, professor; **Gail Kampmeier**, senior research specialist, Steve Gaimari; Martin Hauser; Kevin Holston, and Mark Metz attended the joint meeting of the Entomological Society of America and American Phytopathological Society (APS) held 8-12 November in Las Vegas, NV.

  Mike organized and moderated a joint society program symposium with Don Aylor (APS) on "Aerial Dispersal of Pests, Diseases, and their Natural Enemies: Implications for the Development and Deployment of Integrated Pest Management." Mike also gave the initial talk in the symposium, "Implications of dispersal in developing and deploying IPM strategies." Kevin Holston and Gail Kampmeier coordinated slides and the timing of these talks.

respectively.

Gail Kampmeier, senior research specialist in agriculture, was a judge in the Student Display Competition. She also attended the Strategic Planning Leadership Luncheon of the ESA Leadership Council. The group reviewed strategic planning activities of the previous year and plans for the upcoming year and Kampmeier reported on activities of the ESA Standing Committee on Membership, for which she is vice chair. The group also discussed the structure of annual and branch meetings and whether the structure was meeting the needs of members. Kampmeier also attended the meeting of NCR-148, "Migration & Dispersal of Insects and Other Biota," which was organized as an informal conference the evening following the symposium on aerial dispersal and IPM. She was secretary for the meeting and re-elected to that position for the year 2000 (continuing from 1999). The meeting was also attended by co-state representatives Mike Irwin and Scott Isard (CEE affiliate from the UIUC Dept. of Geography).

- **Gail Kampmeier**, **Leellen Solter**, assistant professor, and Carolyn Nixon collaborated on a poster titled "Careers in Entomology." The poster was displayed in the Science Showcase at the Illini Union, Oct. 16.

- **Mosbah Kushad** presented a report on the performance of dwarf and semi dwarf apple rootstocks in Illinois at the North central NC.140 meeting in Hood River Oregon November 16-20.

- **Ken Robertson**, botanist and professional scientist, gave a slide presentation entitled, "The Tallgrass Prairie Ecosystem" on the evening of November 18 to the Wabash Valley Audubon Society in Terre Haute, Indiana. The audience consisted of more than 40 persons, including professors and graduate students from Indiana State University, farmers, senior citizens, and others interested in nature.

- Associate professor **Bill Simmons** gave an invited presentation in Monheim, Germany entitled "Residual Herbicide Needs in Transgenic Corn" as part of a conference on Weed Control Issues in the 21st Century Several U.S. scientists were invited to discuss future trends and changes in corn weed control

- **Leellen Solter**, assistant professor, attended the Entomological Society of America annual meeting. She gave an invited talk on "Evaluation of entomopathogenic

microsporidia for classical biological control programs," served as co-moderator for a session on Biological Control Using Insect Pathogens, and served as a student poster judge.

Leellen was invited to give a presentation as part of Purdue's Entomology Department's Seminar Series. On Oct. 15, she spoke on the "Host specificity dilemma: can laboratory studies predict ecological host range?"

The Insect Expo took place October 30 and 31 in the Illini Union. Leellen co-organized the event.

- **Ed Zaborski**, adjunct assistant professor, presented a poster, "Cropping System Effects on Soil Organic Matter and Nitrogen Pools and Processes: A Multivariate Interpretation of Relationships" at the Annual Meeting of the Soil Science Society of America in Baltimore, Maryland, October 18-22. The poster was co-authored by Ben Stinner, David McCartney and Donald Beam of the Ohio State University.

- **Chris Johns** and **Ed Zaborski** presented a poster, "SoilWatch: Incorporating Biological Measurements into Soil Quality Assessment in Illinois," at the Annual Meeting of the Soil Science Society of America in Baltimore, Maryland, October 18-22.

Ed attended a meeting on Oct.27 in Springfield, Illinois with members of the IDNR and the Illinois State Board of Education to discuss the status of SoilWatch and the prospects of connecting SoilWatch/Curriculum Project to PLANIT. ISBE members were enthused by the opportunities that soil biology presents for curriculum development and classroom activities.

Ed attended a meeting of NCT-193, Development of Pest Management Strategies for Forage Alfalfa Persistence, on November 7 in Las Vegas. Representatives of 17 states participate in NCT-193. Ed proposed a multidisciplinary, multistate project to develop an analysis of relationships between abiotic conditions, pest and disease organisms and management practices as they affect alfalfa stand persistence. Participants expressed support for the proposal.

Ed presented a poster, "Do Members of Phasmarhabditis (Rhabditidae) Infect Earthworms?" at the Annual Meeting of the Entomological Society of America in Las Vegas, November 8-12. **Steve Roberts** co-authored the poster.

Ed attended the Editorial Board Meeting of the Journal of

Agricultural Entomology on November 9 in Las Vegas. Along with the change of name to the "Journal of Agricultural and Urban Entomology," many other changes with the journal are also taking place. Dr. Julie Todd, University of Iowa, is stepping down after several years as Editor, but will stay on as a Subject Editor. Dr. Davis Weaver, University of Montana, is the new editor. The journal has a new Business Manager, Dr. Paula Mitchell of Winthrop University. A new printer is being sought for the journal and it is expected that page charges will be reduced. Finally, an effort will be made to have the proceedings of one symposium published each year.

Student News

NRES STUDENT SEMINAR

Learn how to design your academic program, search for a job, write a resume and cover letter, develop communication skills, interview for jobs and decide if graduate school is for you. Join **Karyn McDermaid** and **Mary Lowry**, weekly at noon on Wednesdays, in W-115 Turner Hall. First session is January 27, 1999. No need to register for this noncredit workshop. For more information, contact Mary (lowry@uiuc.edu) or Karyn (karynk@uiuc.edu)

HORT CLUB WREATH SALE

The **Horticulture Club** is hosting a Christmas wreath and poinsettia sale on Thursday and Friday, December 3rd and 4th, from 9 am to 5 pm in the main hallway of Mumford Hall. The wreaths, complete with bows, will be $12 for 18" (2 for $20) and $18 for 24" (2 for $30). They will also have a limited number of 36" wreaths for the biggest of holiday spirits. Festive poinsettias in pinks, reds, and whites, will also be available in a variety of sizes and prices. These are the Christmas decorations that will be sure to brighten your holiday season

CHRISTMAS TREE SALE

The **Illini Foresters** annual Christmas tree sale will be held starting at noon on December 3 and running 24 hours until 5 p.m. December 6. Decorate your home this year with a live tree, wreaths, potted live trees, and ropings made out of greens, which are available for purchase. As in every year, the Illini Foresters are buying the trees from Crow Miller's tree farm in Effingham For the first time, the Illini Foresters helped harvest the trees in late November. For more information, contact Illini Forester President **Phil Bergsrud** at pbergsru@uiuc.edu.

GREAT JOB, BAJWA!

On November 16, 1998, **Dilpreet S. Bajwa** passed the preliminary examination for the doctoral degree in Wood Science, NRES. Now he may proceed to Stage III, independent

dissertation research. For the written part of the exam, he answered correctly all questions submitted by each member of the Guidance Committee (Poo Chow, Mastural Raheel, Dick Brazee, and SSusanne Arel). The committee reports he did an excellent job during the oral exam. Congratulations

The Graduate College awarded a travel-scholarship to Dilpreet to present a paper at the 1998 annual conference of the International Forest Products Society.

WANT AN INTERNSHIP? CHECK OUT THIS WEBSITE
— http://www.aces.uiuc.edu/~nres/internship/internships.html
Easy to read, lots of information, follow-up with **Karyn McDermaid**, NRES internship coordinator.

FRESHWATER READING GROUP
Graduate student **Jon Hoekstra** is starting up a Freshwater Systems Reading Group. This group will provide a forum for researchers in a broad variety of disciplines to discuss current problems and questions in freshwater science. Graduate and undergraduate students, staff, faculty and affiliates are invited to take part. Interested persons may contact Jon at hoekstra@uiuc.edu.

FORBES PRESENTS POSTER
Amy Forbes, graduate student, presented a poster at the Crop Science Society of America annual meetings in Baltimore this past October. The title of the poster was "Genetic Analyses of Aflatoxin Resistance from Tex6 Corn Line."

SMOKIES TRIP 'FILLED-UP'
Only a few days after its official announcement, NRES 199/401, Ecology of the Mesophytic Forest, was filled. This special problems course is offered during the second 8 weeks of the spring semester and culminates in a field trip to the Great Smoky Mountains National Park in Tennessee and North Carolina. The course includes student reports, field instruction, vegetation surveys, methods of data collection and analysis, personal observation, and discussions. Interested students may have their names placed on a waiting list by contacting Trina Simpson in W-503 Turner Hall, or at 333-2770.

In The News

IDEA GARDEN GARNERS AWARD
The idea garden at the University's Arboretum won a top award for site development in the Champaign County Design and Conservation Foundation's 13th competition, held every three years. Of the 20 sites nominated this year, nine won awards. The idea garden was created by the Champaign County Master

Gardeners. Other local award winners include the Champaign County Nursing Home and a right of way in Sidney cared for by the local Lions Club. The garden was featured along with other local award-winners in the Nov. 20th News-Gazette.

WOOLLY WORM FORECASTING
Endearing woolly worms may not be the crack forecasters that people imagine, as reported by **Phil Nixon**, Extension entomologist, and **May Berenbaum**, professor, insect ecology, in October issues of the Champaign-Urbana News-Gazette, the Daily Journal, and the St. Louis Post Dispatch. Using the woolly worm to forecast the winter is a roll of the dice.

ROOTWORM NUMBERS DOWN
"The abundance of adult western corn rootworms in soybeans in 1998 was lower in all but one of the counties sampled in both 1997 and 1998," said **Eli Levine**, associate professor, entomology. "We had predicted potentially devastating rootworm problems in 1998 based on the adult population that existed in the previous year and the mild winter weather of 1997," said **Scott Isard**, associate professor. Their findings were reported in the Quincy Register Mail, October 30, 1998.

BUGS, BUGS, AND MORE BUGS
Phil Nixon, Extension entomologist, has received numerous calls regarding the Asian Lady Bug which has swarmed our homes, offices, and buildings this fall. "Don't worry about them," says Phil, "they're just looking for a warm place to spend the winter and will do no harm." The bugs were reported on in the October 27, Champaign-Urbana News-Gazette and the Kankakee Daily, and the October 29, Chicago Sun-Times.

BOMBASTIC BASIL!
Did you know that the herb basil has been used as a sign of courtship in Italy? Or that a cup of basil tea may be substituted as an after-dinner mint? If not, check out the Fall 1998 issue of *Mostly Garlic* for more on these little fun facts, written by **Chuck Voigt**, research specialist in agriculture. In the article, Chuck tells all about the basil herb and how to care for your own — what diseases to watch out for, when and how to harvest, and many other tips you may need. He even includes three different delicious basil recipes for you to try at home. *Buon Appetito!*

PEOPLE ON THE MOVE
Floyd Giles, professor of horticulture, announced that he will retire on December 31, 1998. Floyd began his career with UIUC 34 years ago as a county Extension advisor and came to campus two years later. Floyd created the highly successful Master Gardener program in 1970-71, with the help of Jim Schuster and Greg Stack.

With his newly acquired free time, he hopes to do some traveling finish his book, and take some art classes in watercolors at Parkland College. He also plans to teach wood carving workshops. Good luck to Floyd in his new endeavors

Join the NRES department in welcoming **Karel Jacobs**, UI forestry graduate ('83), as a new visiting associate professor from Sept. '98 to June '99. Jacobs, plant pathologist at the Morton Arboretum, will hold a quarter-time appointment with NRES while she assesses the need for an off-campus master's degree program in urban ecology. Her position is funded by Continuing Education.

Frances E. Kuo was named assistant professor in NRES with a research concentration in environmental psychology. Her full-time position was funded at the campus level and by the UI Environmental Council. Be sure to congratulate Frances on her new appointment.

Jean Miles, NRES Department secretary, began working with **Patty Bingaman**, extension assistant PAT Program, November 15, 1998 in 1005A Plant Sciences Lab. Her phone number is 265-0670. Welcome Jean!

Daniel J. Olson, joined the NRES department November 9, 1998 as a visiting research specialist in agriculture, working a 50% appointment with **Dick Warner**. Dan's office is in 305-350 Burnsides Lab and his phone number is 333-9073. Welcome Dan!

Donna Prahl, NRES department secretary, has a new home in Plant Sciences Lab 1007. Donna most recently worked in the NRES academic office as the graduate secretary. Her new phone number is 244-1693.

CONDOLENCES

William C. Sullivan, father of **Bill Sullivan**, associate professor, died October 31, 1998 in Schaumburg, Illinois, at the age of 73. The NRES Department expresses its condolences to Bill and his family. A memorial service for Mr. Sullivan took place Saturday, Nov. 7, at St. Constance Catholic Church in Chicago. Bill delivered the eulogy.

Mr. Sullivan was a volunteer at Alexian Brothers Hospital for the past six years, following his retirement. He is survived by six sons, three daughters, and 14 grandchildren, the youngest of which is Eammon Sullivan Kuo, the infant son of Bill and Frances Kuo. Memorials should be sent to: Alexian Brothers Hospital, c/o Carol Ann Doveatt, 2057 Dorval Drive, Naperville, IL 60565.

Norbert Secora, the father-in-law of **George Gertner**, died on November 3, 1998, at the age of 80. He is survived by his wife of 54 years, Annette; four children, including Sarah Gertner; and one grandchild, Eric Gertner. Mr. Secora, a lifelong resident of Berlin, Wisconsin, was employed as bookkeeper and treasurer of the Truesdell Fur Company in Berlin. He enjoyed gardening, carpentry, designing mechanical things, and reading. A member of St. Joseph Catholic Parish, he was also a charter member of the Berlin Jaycees and Berlin Historical Society.

Memorials may be made to:Tree Seedling Program, Trees for Tomorrow, 519 Sheridan St. E, Eagle River, Wisconsin 54521 Phone(715)479-6456; or to the Wisconsin Affiliate of American Diabetes Association, 2949 N. Mayfair Road, Suite 306, Wauwatosa, Wisconsin 53222. Annette Secora's address is c/o Mary Secora, 928 Wisconsin Avenue #14, Sheboygan, Wisconsin 53081.

WE STAND CORRECTED

The November NRES News article, "Tour Missouri Gardens," should have read that **Mike Irwin** and his graduate students attended the 45th Annual Systematics Symposium at the Missouri Botanical Gardens in October.

Mike, not **Gail Kampmeier**, attended and presented at the Oklahoma State University meetings ("Bug Conferences"). Mike attended the joint meeting of the Greenbug research Consortium and the western Coordinating Committee 66 and was invited to present a talk on aphid dispersal and migration.

Mike, not Gail, attended the IPM Congress and other meetings in Nicaragua ("Attends IPM Congress"). Mike presented an invited talk on "The role of CICP in IPM information dissemination" as part of a symposium on Global IPM initiatives. Apologies to Mike and Gail Kampmeier for the mix-up

Karyn McDermaid wrote to say last month's NRES News article on "Buffer Zones to the Rescue" should have stated that **Gary Rolfe** and Karyn's project is modeling the biological and social impacts of alternative uses of floodplains. They are not working on ways to use buffer zones against floods, as reported. We regret the error.

Mark David and **Lowell Gentry** ("Attend Soil Meetings") presented three papers at the Soil Science Society of American annual meeting. The papers were incorrectly listed under "Publications." Apologies to Mark and Lowell for the error.

Publications

Chow, P. and **D. S. Bajwa**. 1998. Weathering effects on the decay resistance of creosote treated oak. American Wood Preservers Association, Volume 94257-266

Chow, P., D. S. Bajwa, W. D. Lu, J. A. Youngquist 1998 Injection-Molded Composites from kenaf and recycled plastics Proceedings, First American Kenaf Society Conference, San Antonio, Texas. Pages :38-42

Chow, P., R. Lambert, D. S. Bajwa. 1998. Effects of row spacing and plant density on kenaf growth Proceedings First American Kenaf Society Conference, San Antonio, TX. Pages 87-89.

Cook, C. G., and **P. Chow**. 1998. Stalk yield and fiber quality of advanced kenaf breeding lines. Proceedings, First American Kenaf Society Conference, San Antonio, TX. Pages 17-20

Hill, S.R. 1998. Book Review. Leopold. D.J., W.C. McComb, and R.N. Muller, 1998. Trees of the Central Hardwood Forests of North America: An Identification and Cultivation Guide Timber Press, Portland, Oregon. 469 p. Castanea 63:398.

Hill, S.R. and A. James. 1998. New plant records for Dominica, Lesser Antilles. SIDA 18:297-305.

Hussain, I., **K.R. Olson**, and **R.L. Jones**. 1998. Erosion patterns on cultivated and uncultivated hillslopes determined by soil fly ash contents. Soil Science 163:726-738

Kweon, B.S., W.C. Sullivan, and A. Wiley 1998 Green common spaces and the social integration of inner-city older adults. Environment & Behavior. 30 (6), 832-858.

Solter, L.F. and J.V. Maddox. 1998. Timing of an early sporulation sequence of microsporidia in the genus Vairimorpha (Microsporidia: Burenllidae). J. Invertebr. Pathol. 72: 323-329

Dec. 3-6 Illini Foresters Annual Tree Sale, Illini Plantations (corner of Race and Windsor)

Dec. 3-4 Hort Club wreath sale, 1st Floor, Mumford Hall

Dec. 4 5:30 JBT Banquet Reception, Illini Union South Lounge

6:00 JBT Dinner & Program, Illini Union Room ABC

Dec. 8 11:00 NRES Dept. Holiday Luncheon, Florida Avenue Residence Hall, Oglesby Pogoda

Dec. 14-19 Final Exams

Dec. 17 2:00 NRES Faculty Mtg., W 121 Turner Hall

Dec. 24-25 Holiday

Dec. 30 ½ Day Holiday

Dec. 31 Holiday

Jan. 1 Holiday

Jan. 12 NRES Faculty Retreat, Holiday Inn, Urbana

Jan. 14-16 Specialty Crop Conference, Clarion Hotel, Champaign

Jan. 15 10:00 Faculty meeting, W 121 Turner Hall

Jan. 18 Martin Luther King Day, holiday

Jan. 19 Instruction Begins

Feb. 5 3-5:00 ACES Faculty meeting

Feb. 14-17 ACES Phon-A-Thon

Mar. 5-6 ACES Open House

Mar. 12 3-5 ACES Faculty meeting

Mar. 15-19 Spring Break

Mar. 19 Spring Break. Campus closed

April 15 5:30 Gamma Sigma Delta Initiation & Banquet, Illini Union Ballroom

April 17 Hort Club Mom's Day Flower Show & Sale

April 20 ACES & Paul A Funk Awards Reception and Banquet

April 23 Environmental Convocation, Springfield, Ill.

April 23 3-5 ACES Faculty meeting

April 26 Campus Instructional Awards Banquet

May 2 12-2:30 ACES Student Awards Banquet, Illini Union Ballroom

May 16 Graduation Day

Credits

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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Associate Department Heads: Mary Ann Lila Smith 333-5154 imagemal@uiuc.edu and Art Spomer l-spomer@uiuc.edu

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Josie Rich, Kelly Moran, writers

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Number 1, January 1999
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
Awards
Upcoming Events
Student News
Publications

HAPPY NEW YEAR!

Upcoming Events

STUDENT SEMINAR SERIES
Mary Lowry, coordinator, NRES Student Services Center, and Karyn McDermaid, internship coordinator, are coordinating a student seminar series, "Preparing for Your Career." The seminar is non-credit and open to anyone to attend. They will cover different topics related to preparing for a career, each week on Wednesdays in room W-115 Turner Hall over the noon hour. Bring your lunch. Topics include: January 27-Introduction to NRES; February 3—Internships; February 10—Job Trends; February 17—How to Search for a Job; February 24—Deciding About Graduate School.

GRADUATE STUDENT SYMPOSIUM
The First Annual Graduate Student Symposium is planned for Saturday, March 6, 1999. The goal of this symposium is to offer graduate students the opportunity to gain exposure to graduate student research in related fields and gain experience presenting research ideas/results to peers in a formal setting. Participation is encouraged from graduate students on campus working in ecology, evolutionary biology, behavior, conservation, environmental sciences, fisheries and wildlife biology, systematics, biogeography, modeling, and other related fields. Abstracts are limited to one-half page and are due January 29, 1999. For more information, contact Jeff Steinmetz at jsteinme@uiuc.edu

INTERNSHIP OPEN HOUSE
The 2nd Annual NRES Internship and Summer Job Open House is scheduled for Thursday, February 4, 1999 in 240 EASB from 9:30 to 3:30. Companies and agencies attending include: Ball Horticultural Company; Midwest Groundcovers; Brookfield Zoo,

Acres Group; The Brickman Group; Kinnucan Tree and Landscape Company; David Frank Landscaping; Zelenka Nursery; Illinois Department of Natural Resources; City of Chicago Bureau of Forestry; Hendricksen the Care of Trees. Natural Resources Conservation Service, Illinois Natural History Survey Center for Economic Entomology and Center for Aquatic Ecology; ACES Study Abroad Program; Illinois Ecowatch Program; and the U.S. Peace Corps. The event is informal and students may walk through in-between classes. A few companies will conduct formal interviews during the day. Several companies will present an information session on the evening of February 3rd in W-121 Turner Hall from 6:00-7:30. Karyn McDermaid, internship coordinator, asks faculty to announce the Open House in their classes and encourage students to attend. Faculty are also encouraged to stop in and show their support and appreciation to the attending companies.

ENVIRONMENTAL CONVOCATION
Environmental Convocation 1999, Ecosystem Health, is planned for April 23, 1999 at the Public Affairs Center, UIS, Springfield, IL. Keynote speaker this year is Dr. Charles Whitmore. Panel discussion, "The Agroecosystem," is chaired by Dr. Malcolm Levin, Dept. of Environmental Studies, UIS. Panel members are Gary Rolfe, department head, NRES, Richard Johnson, senior principal scientist, Deere and Co.; and Bill Gradle, state conservationist, USDA.

Registration is due by April 15th to Brenda Suhling, UIS, PAC 409, Springfield, IL 62794. Abstracts must be received by March 1, 1999 and also should be sent to Brenda Suhling. Information, registration, and abstract forms can be found at web site: *http://pandora.uis.edu/riskto/welcome.htm*

Awards

Mary Ann Lila Smith, professor of plant physiology, has been awarded a Fulbright grant for a research exchange to New Zealand. Mary Ann will travel to Massey University in New Zealand to conduct research on using cell cultures developed at the University of Illinois, but she will also investigate species native to New Zealand that could be beneficial to her research program. She is well published in the field of naturally-occurring bioactive compounds in berries and their cell cultures. She plans to work with some of the world's foremost genetic engineers in New Zealand to learn about their strategies in cell cultures.

Mary Ann is one of nearly 2,000 U.S. grantees who will travel abroad for the 1998-99 academic year through the Fulbright Program. The program was established by Congress in 1946 to increase mutual understanding between the people of the United

States and the people of other countries

In December, as a component of his international, urban forestry program, Lieutenant Colonel John Andresen was awarded a number of decorations from Washington, D.C., Central European Republic Embassy officials. From Slovenia's Ambassador Dr. Dimitrij Rupel, he received the Gold Medal of the Slovene Armed Forces, the Slovenian Air Force Medallion, the Slovenian Air Force Wings, and the World War II Yogoslavian Silver Plaque. Romania's Defense Attache presented him with a set of Romanian Pilot's Wings and the Bronze Crest of Romania's Ministry of Defense. Similar awards and commendations for World War II and contemporary services were given by the Defense Attaches of Bulgaria, the Czech Republic, Hungary, Poland, and Slovakia. Congratulations to John

NEW FACES
There are two new faces in the department. Todd M. Nissen, postdoctoral research associate, began working with Michelle Wander November 21, 1998. Todd is located in N 227 Turner Hall, and his phone number is 333-4912, e-mail. *tnissen@staff.uiuc.edu*

Fayez E. Kandil, postdoctoral research associate, joined NRES December 1, 1998 and is working with Mary Ann L. Smith and Dave Seigler. Fayez is located in 265 Morrill Hall and the phone number is 333-7577.

Student News

October 31 to November 3, Jim Schmidt, Extension specialist, home horticulture, served as advisor to the Illinois 4-H delegates that attended the National Junior Horticulture Association annual meeting and contests in Memphis, TN. The delegates won a Grand Award in the speech contest, and a National Award in the Young America Plant Propagation Contest. The group then toured the King's House (Elvis Presley's home) and ate grilled peanut butter and banana sandwiches (the King's favorite)

There were six graduate students who graduated in October, 1998. Those who received Master Degrees are: Jeromy Biazzo, Nicolle Hofman, and Ralph Steinberg. Three received their Ph.D.'s: Pablo Fabian Parysow, Caifen Xu, and Zueming Yang Congratulations.

Three students were awarded a Graduate College Conference Travel Grant. Sean Callahan received $100 to apply to the cost of travel to the National Meeting of the Ecological Society of America. Dilpreet Bajwa received $150 to apply to the cost of travel to the Forest Product Society 1999 Annual Meeting.

Matthew Dykstra received $100 to apply to the cost of travel to the Natural Areas Association Conference.

KINDHARTS WELCOME NEW BABY
Rachel Kindhart was born 2:00 p.m. Tuesday, December 22, 1998 to Jeff and Garnett Kindhart. Rachel weighed 9 lbs. and joins her brother and sister at home. Jeff is a research specialist in agriculture at the Dixon Springs Agriculture Center. Congratulations to the Kindhart family.

Publications

Baveye, P., C.W. Boast, S. Ogawa, J.Y. Parlange, and J. Stenhuis. 1998. Influence of image resolution and thresholding on the apparent mass fractal characteristics of preferential flow patterns in field soils. Water Resources Research. 34: 2738-2796.

Baveye, Philippe, and Charlie W. Boast. 1998. Concepts of "fractals" in soil science: demixing apples and oranges. Letter in Soil Science Society of American Journal. 62: 1469-1470.

Gennadiyev, A.N. and K.R. Olson. 1998. Pedological cooperation between Russia and the USA, Past to Present. History of Soil Science Paper. Soil Sci. Soc. of Am. J. 62:1153-1161

Burbrink, F.T., C.A. Phillips, and E.J. Heske. 1998. A riparian zone in southern Illinois as a potential dispersal corridor for reptiles and amphibians. Biological Conservation. 86: 107-115

Schmidt, James C. and Greg Stack. 1998. *In Living Color*. American Nurseryman, Vol. 188, Issue 5, pp. 78-83

Calendar

Jan. 12 NRES Faculty Retreat, Holiday Inn, Urbana

Jan. 14-16 Specialty Crop Conf., Clarion Hotel, Champaign

Jan. 15 10:00 NRES Faculty meeting, W-121 Turner Hall

Jan. 18 Martin Luther King Day, Campus closed

Jan. 19 Instruction Begins

Jan. 27 noon Student Seminar Introduction to NRES, W-115 Turner Hall

Feb. 3 noon Student Seminar Internships, W-115 Turner Hall

Feb. 4 Internship Open House

Feb. 5 3-5:00ACES Faculty meeting

Feb. 10 noon Student Seminar Writing Resumes and Cover Letters, W-115 Turner Hall

Feb. 14-17 ACES Phone-A-Thon

Feb. 15 10:00NRES Faculty meeting , W-121 Turner Hall

Feb. 17 noon Student Seminar— How to Search for a Job, W-115 Turner Hall

Mar. 5-6 ACES Open House

Mar. 6 Graduate Student Symposium

Mar. 12 3-5:00ACES Faculty meeting

Mar. 13-21 Chicago Flower Show

Mar. 16 1:30 NRES Faculty meeting, W-121 Turner Hall

Mar. 15-19 Student Spring Break

Mar. 19 Campus Spring Break

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Apr. 23 3-5:00ACES Faculty meeting

Apr. 23 Environmental Convocation, UIS Public Affairs Center

Apr. 26 5:30 Campus Instructional Awards Banquet

May 2 12-2:30 ACES Student Awards Banquet, Illini Union Ballroom

May 13 1:30 NRES Faculty meeting, W-121 Turner Hall

May 16 Graduation Day

May 31 Memorial Day Campus closed

ATTENTION FACULTY ADVISORS --- NRES Internship Database contains information about all internship announcements and it can be accessed through the NRES homepage

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College of Agricultural, Consumer and
Other Departments, Units, and Divisions within the College of ACES

Number 2, February 1999
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
In the News
Upcoming Events
Conferences and Travels
Publications

GROUNDHOGS PREDICT EARLY SPRING.....

Upcoming Events

TRI-STATE FOREST CONFERENCE
The Fifth Annual Tri-State Forest Stewardship Conference is scheduled for Saturday, March 13, 1999 at the Sinsinawa Mound Conference Center, Sinsinawa, Wisconsin. This conference is one of the largest of its type in the country. Forest landowners interested in learning how to better manage their land are encouraged to attend. "Because of landowners' diverse interests, the conference offers a wide variety of programs that are designed to help make landowners better stewards of the natural resources found on their property," said Mike Bolin, Extension forestry specialist and conference coordinator. Registration deadline is February 26, 1999. For more information call Mike Bolin at 217/333-2778 or Judy Stoll at 217/333-3650.

ENVIRONMENTAL CONVOCATION POSTPONED
The Environmental Convocation originally scheduled for April 23 has been postponed until fall. Steve Becker, associate professor of environmental studies at the UI-S Office of Public Affairs, has been hospitalized. Steve is in Decatur Memorial Hospital, his office reports. Cards and notes can be sent to: Steve Becker, Room 6429, Decatur Memorial Hospital, 2300 N. Edward St., Decatur, IL 62526.

NEW FACE ON FIFTH FLOOR
A big welcome to Lisa Emerson, new NRES Business Manager. Lisa recently finished her B.S. in accountancy here at the U of I. Previously working for UIUC Printing Services, Lisa began her new duties for the department of NRES on February 1, 1999. A welcome reception for her was held on Friday, February 6. If you didn't get the chance to drop in then, stop by N-511 Turner Hall and say "hello". Her phone number is 217/244-5164 or e-mail her

at lemerson@uiuc.edu.

SCURRY FOR SCHOLARSHIPS
NRES undergrads, don't miss your chance to apply for one of the many scholarships being offered by the department for the 1999-2000 school year. The application, which you should have all received in the mail, is due by March 5, 1999. Do not delay, because there will be no extensions.

MUSICAL CHAIRS
Luann Schiff, personnel clerk, is now in N-517 Turner Hall. Her phone number and e-mail remain the same.

NEW ARRIVALS
Tim Van Deelen, adjunct assistant professor, and his wife, Carol, announce the birth of their twins, born Tuesday, February 2, at 5:20 a.m. They came 6 weeks early, but everyone is fine. Grace Carolyn arrived first at 5 lbs., 3 oz., and Jakob (Koby) Alton was second at 5 lbs., 1 oz. Both babies were 19-1/2 inches long. Dad says fatherhood is "really cool."

NEWS FROM NEW ZEALAND
Mary Ann L. Smith, professor of plant physiology on a Fulbright fellowship in New Zealand, will be the keynote speaker at the International Society of Plant Tissue Culture - NZ Branch Conference in Rotorua, NZ, February 7-11. She'll also be giving seminars in Christchurch, Dunedin, and Palmerston North in February.
Mary Ann shared with us her latest adventure. At the house her family is renting in Ashhurst, NZ, their neighbor's cattle broke down the paddock fence and stampeded into the yard. There were 12 heifers and 2 bulls, one somewhat surly, tramping all around the house grounds, knocking over statuary and destroying shrubs. They had a drink in the front yard ponds and sucked up most of the goldfish. With the help of several neighbors and a border collie, the cattle were rounded up and moved to a secure paddock with electric fencing. But, the cow pies are still everywhere in the yard.

Conferences and Travels

- Mosbah Kushad, assistant professor, gave two invited talks on postharvest handling of fruit and vegetables, at the Indiana Horticultural Congress in Indianapolis, January 25-27.

Mosbah was also invited to speak on cider chemistry and cider safety at the New England fruit meeting and trade show on January 6th in Sturbridge, Massachusetts.

- Daniel Warnock, assistant professor, presented an invited paper titled "Germplasm for the next millennium" at the Southern Illinois Bedding Plant School in Belleville, Illinois, January 6, 1999.

In addition, he attended Grower's Expo, a professional meeting for producers of horticultural crops, held in Atlanta, Georgia, January 7-12, 1999.

Over Feb. 27-28 he will attend the National Floriculture Forum, a discussion-planning group for the U.S. floricultural industry, held in Naperville, Illinois.

VISITOR FROM AUSTRALIA
Shaun Winterton, from the University of Queensland, Brisbane, Australia, is one of Dr. David Yeate's graduate students with our NSF/PEET program. He is visiting Professor Mike Irwin's laboratory for the week January 28 through February 3. During his stay, he will be studying the stiletto fly specimens from Australia that are in our collection. Then, for the remainder of the spring semester, he will be visiting Dr. Brian Wiegmann's molecular systematics laboratory at the North Carolina State University, focusing on a molecular study of the major groups of Australian stiletto flies.

In the News

TREES SUFFER ICY BURDEN
Trees covered in snow and ice may look like winter paradise to the casual observer, but the strain on branches is less than fun for our woody friends. Many trees have lost limbs or toppled under the weight, as homeowners can attest. A Jan. 16 article in the *Washington Post* called "Nature's War of Weight: Trees, Power Lines Can't Weather the Ice," quotes Jeff Dawson, professor of tree physiology. Jeff explained that trees with large and full crowns, such as those that grow in open, urban areas, catch the most ice in their branches and retain more damage. Trees with weak branch joints, shallow roots or decay are also susceptible. Also quoted in the article were several Washington homeowners and Wilfred Nixon, an ice expert and professor of civil and environmental engineering at the University of Iowa. Ice can build up on branches as much as 20 pounds per foot. A half-inch coating of ice on an average six-foot tree branch can produce an extra 120 pounds of weight.

SPECIALTY GROWERS IN THE NEWS
The Specialty Growers Conference held at the Clarion Conference Center in January was featured in several newspaper articles. A Sunday, Jan. 24 News-Gazette article reported on the history of herbs and peppers in North America and the health

benefits over history from both.
Chuck Voigt, research specialist in agriculture, was quoted as saying that though the pepper originated in the New World, seeds were brought back to the Old World by sailors who thought they would use them to get rich. The seeds became so popular that they spread to several continents. "By the time the sailors finally got to the Spice Islands, people there were all growing peppers, and it was a long time before anyone knew they weren't native there . . . The peppers spread faster than the explorers."
A Jan. 17 article highlighted Garden Day, an addition to the conference. Gardeners from all over attended workshops on subjects from container gardening to plant propagation
A Jan. 25 News-Gazette article talked about the herb St. John's Wort - how the herb was used throughout history and its most recent use.
The Jacksonville Journal-Courier quoted Bill Shoemaker, senior research specialist, for his continuing work with the specialty growers in Illinois. According to the article, Illinois ranks in the top 20 of states in terms of specialty crops, with produce such as melons, snap beans, peas, asparagus, processing pumpkin and horseradish.

Student News

VALENTINE FLOWER SALE
Treat that special person in your life with flowers. The Hort Club is hosting a Valentine's Day flower sale. Available for sale are cut roses, potted flowering spring bulbs, and indoor foliage plants. The sale will be held on Thursday, Feb.11 and Friday, Feb. 12 in the main hallway of Mumford Hall from 9am to 5pm each day.

WEDDING BELLS ARE RINGING
Kristina Dupps and Patrick Hubert have announced their engagement. Kristina received a B.S. degree in forestry and is currently completing her Master's degree in NRES. She is employed as the environmental education coordinator with the Champaign County Forest Preserve District. Patrick received a B.S. and M.S. degrees in animal science and wildlife ecology, and is currently pursuing a Ph.D. in wildlife ecology. He is employed as a research specialist in NRES. Kristina and Patrick are planning a March wedding in Heath, Ohio. Congratulations to them.

1999 MID TERM GRADUATES
Congratulations to the January 1999 graduates of the department of NRES. There were 23 B.S. degrees, 4 M.S. degrees, and 2 Ph.D. degrees given. A list of graduates is on page 5.

Publications

Kushad, M.M. 1998. Changes in polyamine levels in relationship to the double-sigmoidal growth curve of peaches. J. Amer. Soc. Hortic. Sci. 123:950-955.

Hussain, I., K.R. Olson and J.C. Siemens. 1998. Long term tillage effects on physical properties of eroded soil. Soil Science 163:970-981.

Ebreo, A., J. Hershey and J. Vining. 1999. Reducing solid waste: Linking recycling to environmentally responsible consumerism Environment and Behavior, 31 (1), 107-135.

Warnock, D.F. and D.W. Davis. 1998. Comparison of two visual scales for estimating European corn borer ear damage in maize. HortScience 33:1048-1049.

Warnock, D.F., D.W. Davis, and G.R. Gingera. 1998. Inheritance of ear resistance to European corn borer in 'Apache' sweet corn. Crop Science 38:1451-1457.

Calendar

Feb. 11 & 12 Hort club rose and plant sale, 9-5:00 Mumford Hall. 1st Floor Hallway

Feb. 14-17 ACES Phone-A-Thon

Feb. 15 10:00 NRES Faculty meeting, W-121 Turner Hall

Mar. 3 noon Student Seminar: Job Trends, W-115 Turner Hall

Mar. 10 noon Student Seminar: Developing Communication Skills, W-115 TH

Mar. 5-6 ACES Open House

Mar. 6 Graduate Student Symposium

Mar. 12 3-5:00 ACES Faculty meeting

Mar. 13-21 Chicago Flower Show

Mar. 16 1:30 NRES Faculty meeting, W-115 Turner Hall

Mar. 15-19 Student Spring Break

Mar. 19 Campus Spring Break

Mar. 24 noon Student Seminar: Interview Skills, noon Restaurant

Etiquette for Interviews. W-115 Turner Hall

April 7 noon Student Seminar: Job Ethics, noon, W-115 Turner Hall

Apr. 14 2:00 NRES Faculty meeting, W-121 Turner hall

Apr. 15 5:30 Gamma Sigma Delta Initiation and Banquet, Illini Union Ballroom

Apr. 17 Hort Club Mom's Day Flower Show & Sale - Stock Pavilion

Apr. 20 5:30 ACES & Paul A. Funk Awards Reception and Banquet

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Apr. 26 5:30 Campus Instructional Awards Banquet

May 2 12-2:30 ACES Student Awards Banquet, Illini Union Ballroom

May 13 1:30 NRES Faculty meeting, W-121 Turner Hall

May 16 Graduation Day

May 31 Memorial Day Campus closed

Oct. 16 Homecoming

Oct. 28 11:30 Scholarship Luncheon

JANUARY 1999 MID-TERM GRADUATES

B.S. Degree
James Barmann Ornamental Horticulture
Melissa Barmann Ornamental Horticulture
Douglas Bussell Forestry
Malynda Costello Forestry
Peter Czubak Horticulture
Kristin Ekdahl NRES - biological
Stephanie Freeman Ornamental Horticulture
Scott Gahlbeck NRES - biological
Melissa Garcia Forestry
Jennifer Hall Ornamental Horticulture
Holly Hamilton Forestry
Nancy Holda Ornamental Horticulture

Kristyl Johnson NRES - biological
Jessica Knepp NRES - biological
Claire Petit Forestry
Ann Redington Ornamental Horticulture
Sarah Rittenhouse Forestry
Gregory Rounds Ornamental Horticulture
Clayton Ruyle Ornamental Horticulture
Elizabeth True NRES - biological
Jason Wagner Ornamental Horticulture
Michael Wallace NRES - biological
Nathan Wheeler NRES - biological

M.S. Degree
Lyle Guyon Forestry
Rita May NRES - biological
Jeff Meyer Horticulture
Randy C. Whitecotton NRES

Ph.D. Degree
Byoung-Suk Kweon NRES
John Taft NRES

HAPPY VALENTINE'S DAY

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Number 3, March 1999
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
Student News
In the News
Upcoming Events
Conferences and Travels
Publications

"Sweet spring, full of sweet days and roses."
. . . .George Herbert 1593-1632

Upcoming Events

SEE NRES AT THE ACES OPEN HOUSE
Yearning to put your hand in a cow's stomach? Wishing you knew more about the many facets of our college? Or, just looking for an all-around good time? This year's ACES Open House will be held March 5-6, 9 a.m.- 4 p.m. The Department of NRES will be out in full force with many demonstrations and exhibits. Be sure to check them out:

In the Plant Sciences Laboratory:

- Visit the Plant and Insect Place - A sensory garden where you can see plants and insects up close and personal
- The "Little Shop of Horrors" - Carnivorous plants at work; Randy Rogers, visiting research specialist in agriculture
- The Good, the Bad, and the Ugly - The World of Illinois Insects; Mike Jeffords, associate professor of entomology
- Take a Stroll Through the Tropics - It's All in the Conservatory
- Herbs of the Year from 1995 to 2004 - Just in Thyme; Chuck Voigt, research specialist in agriculture
- The Morrow Plots - Years of Ears; Marilyn Sullivan, research specialist agronomy - soil testing
- The Asian Longhorned Beetle - Bugged by Bad Habits; Jim Appleby, research associate professor
- Grass Species Exhibit, with the Turf Club
- Activity: Fun for Kids - Hands-on activities hosted by the Horticulture Club
- Demonstration: Beauty and the Beat - Floral Design to Music: Watch students create enchanting flower arrangements while musical selections inspire them; Dianne

Noland, teaching associate

In the Agricultural Engineering Sciences Building

- The Sky Is Falling - Save Your Soil; Bob Darmody, associate professor of pedology

In the Stock Pavilion

- Secret Agent Worms - Their Role in Agriculture. Jim Lang, assistant agronomist
- Plant a tree and take it home; Illini Foresters
- Watershed Management and Water Quality; Tim Ellsworth, associate professor
- Wood - A Renewable Resource; Mike Bolin, Extension specialist in forestry and Poo Chow, professor of wood science
- Ecosystem Management for Illinois Lands; Karyn McDermaid, research specialist
- Social Science Research and NRES; Karyn McDermaid
- Herbs and Their Uses; Don Briskin, professor of plant physiology
- AgroEcology and the Sustainable Agriculture Program; Deborah Cavanaugh-Grant, Extension/research specialist in agriculture

Also check out the student exhibits:

- Alternative to the Current Sewage System; Cara Ann Saunders
- Veg-out; Kelly Wengronowitz

In the News

WHAT AN HONOR!
Congratulations to Duane Friend, Extension educator, natural resources, who recently received the Honor Award from the Illinois Chapter of the Soil and Water Conservation Society, in recognition for his efforts in the area of soil and water conservation. Nominations for the award come from conservation professionals within the state of Illinois.

PLANT BIOTECH WORKSHOP
Schuyler Korban, professor of plant genetics, recently organized a Plant Biotechnology Workshop that was sponsored by the College of ACES at the University of Illinois and the Institut National de la Recherche Agronomique (France). The workshop involved participation by 9 INRA scientists and 12 UI faculty from various departments and colleges on campus. It covered topics on Plant Genome Mapping, Bioinformatics, Fatty acid synthesis and

accumulation, disease resistance/plant-pest interactions, and risk assessment in biotechnology: gene transfer and transmission. The goal of the workshop was to foster scientific exchange and initiate collaborative projects between the University of Illinois and INRA. Held on January 25 and 26, 1999, the event was co-sponsored by various units around the campus including Dept. of NRES, Dept. of Crop Science, School of Molecular and Cellular Biology, Physiological and Molecular Plant Biology Program, Biotechnology Center, Genetics Program, and School of Integrative Biology. Members of the local organizing committee also included Stephen Farrand (Crop Science), A. Lane Rayburn (Crop Science), Mary Schuler (Cell & Structural Biology), and Lila Vodkin (Crop Science).

2ND NRES INTERNSHIP OPEN HOUSE

A great turnout for NRES's 2nd Annual Internship and Summer Job Open House, reports Karyn McDermaid, internship coordinator. Representatives from natural resource agencies and programs, and horticultural, landscape and tree care companies talked with over 125 NRES students on Feb. 4. The representatives conducted interviews and accepted applications for summer internships and permanent positions. Karyn thanks our faculty for supporting the Open House and making announcements during class time.

FACULTY NEWS

- George Gertner, professor of biometrics, accepted a joint faculty position in the Department of Statistics.
- Dianne Noland, teaching associate, was one of the ten featured faculty in the 1999 *ILLIO*.
- John Nicholaides, professor and assistant vice chancellor for research, was elected to serve a two-year term on the College Executive Committee.

MEDICINAL HERBS: HELPFUL OR HURTFUL?

A Jan. 23 News-Gazette article recognized Don Briskin, professor of plant physiology. His research direction was changed by the St John's wort weed, which has been recognized as a natural remedy for humans. Now Don is finding out more about potent chemicals produced by the herbal remedy and by other plants recognized as natural medicines.

INSECT PHOTO ID CARDS AVAILABLE

The Illinois Ag News reports that thanks to Michael Jeffords, associate professor of entomology, the insect photo id card sets, "The Good Guys! Natural Enemies of Insects," are now in their fourth run. Following tremendous feedback, with nearly 5,000 sets sold, that set was followed up with the complementary collection, "Bad Guys! Garden Pests." Both sets can be ordered

for $8.00 from the Illinois State Natural History Survey, 607 E. Peabody Drive, Champaign, IL 61820 or call 217/333-6833.

NEW TOOL FOR CORN ROOTWORM CONTROL
The Illinois Ag News reported on the research of a new tool for corn rootworm control being conducted at the Illinois Natural History Survey by Richard Lampman, postdoctoral research associate, and Robert Novak, associate professor.

AVOIDING Bt RESISTANCE
In an article titled "Pushing for refuges" in the mid-February *Successful Farming,* the importance of planting refuges of non-Bt corn with Bt corn that is resistant to European corn borers was explained. David Onstad, associate professor, was mentioned in the article for the computer model he developed that showed "if 100% of the corn acreage in a region is planted to Bt hybrids, corn borers would develop resistance within one year."

VEGETABLE PRODUCTION RESEARCH
Information about John Masiunas's vegetable research and weed research in vegetable production was included in the article, "Vegetable research helps Illinois producers," in the Illinois Ag News.

WHAT IS THE GREEN INDUSTRY?
Gary Rolfe, department head, was featured in the Feb. 15, 1999 issue of FarmWeek, where he explained the meaning and growing importance of the 'green industry.' He stated, "The definition of the green industry is very broad, including businesses principally associated with trees, shrubs, grass, and flowers. Specifically, green industries fall into the categories of turfgrass producers, landscapers, arborists, irrigation contractors, florists, nurseries, green houses, garden centers, and more. The University of Illinois College of Agricultural, Consumer, and Environmental Sciences (ACES) is committed to supporting and partnering with the green industries of the state."

CAMPUS PUBLISHING SERVICES
Campus Publishing Services (CPS)? What's that? Well, CPS is the University's in-house service for copyright clearance and the production of course packets for instructional use. If this service sounds like something that could be of use to you or someone you know, all of the following Area Secretaries have packets of information regarding CPS that are available for review: Dorothy Badger, Carol Preston and Janet Alexander - all in Turner Hall; Susan Witt - in ERML; and Mary Ruth Getz and Donna Prahl - both in PSL.

NEW FACES

- Simon B. Bird, postdoctoral research associate, began working for Michelle Wander, assistant professor, on Jan 10, 1999. He'll be working out of New Mexico, USDA-ARS Jomada Experimental Range, 401 East College Avenue, Las Cruces, NM 88005. His telephone # is (505) 646-4842.

- Donald P. Briskin began as professor of plant physiology on January 21, 1999. He can be found in 230 ERML and can be reached by phone at 244-1115 or e-mail: dbriskin@uiuc.edu

- Gene E. Campbell, visiting assistant professor, began working for Dick Brazee, associate professor of forest resource economics, on Jan. 21, 1999. He will be working out of his home at 2811 Woodlawn Drive, Champaign, IL 61822. He can be contacted by phone: 398-6368 or by e-mail: gec@prairienet.org

- David A. Enstrom began work as an adjunct assistant professor on Jan. 20 of this year. You can find David in 172 Natural Resources Building or contact him by phone at 244-6872 or e-mail: denstrom@staff.uiuc.edu

- Sangman Lee has recently joined Schuyler Korban's laboratory as a postdoctoral research associate in plant molecular biology. He received his Ph.D. from Rutgers University.

- Antonio B. Omay, postdoctoral research associate, began working for Michelle Wander, assistant professor of soil fertility/ecology, on Feb. 12, 1999. He is located in N-227 Turner Hall where the phone number is 333-4912. He can also be reached by e-mail: omay@staff.uiuc.edu

- Norbert Satchivi and Margaret Gawienowski began working for Don Briskin as postdoctoral research associates on Jan. 21, 1999. They can both be found in 250 ERML. Both can be reached by e-mail - Satchivi: satchivi@staff.uiuc.edu and Gawienowski: gawienow@staff.uiuc.edu

Conferences and Travels

- NRES faculty Danilo Chinea, assistant professor, Tony Endress, professor, George Gertner, professor of biometrics, Gil Mendoza, associate professor, Nick Smith-Sebasto, assistant professor and Extension specialist, Richard Sparks, director of Water Resource Center, Art Spomer, professor of plant physiology, and Dan Warnock,

assistant professor, all participated in the Annual Faculty Retreat on Active Learning. Held Friday, Feb. 12 at the Levis Faculty Center. This year's retreat was called "Teaching Assessment Learning." The agenda included a keynote address by Dr. Thomas Angelo on 'Connecting Assessment and Active Learning' plus sessions on peer assessment, the teaching portfolio, innovative testing strategies, assessment in an integrated community, alternative forms of teaching strategies, effective grading, and introduction to active learning.

- Elizabeth Wahle, and John Masiunas, associate professor, attended the Weed Science Society of America meetings in San Diego during February 6 -10. Elizabeth presented a poster on her research dealing with competition for nitrogen between eastern black nightshade and the tomato. John presented a talk on his and Jeromy Biazzo's research to determine the impact of organic vegetable production on soil seedbanks of weeds.
  On, Feb.18, John also presented a talk at the Southern Illinois Vegetable Growers School on reduced tillage, high residue production systems for vegetable production and pest management.

- On Feb. 16, 18, and 19, Constantin Rebeiz, professor, presented three lectures at the American University of Beirut (AUB) about the Chemistry and Biochemistry of the Greening Process, the Development of Photo-pesticides, and ALA-Dependent Photoradiation Therapy. He met with various officials of AUB and the Lebanese National Research Council who were interested in the relaunching of scientific research in Lebanon.

- Bill Shoemaker, senior research specialist in food crops, recently returned from a trip to Toronto, Canada, where he was invited by the Ontario Ministry of Agriculture, Food and Rural Affairs to speak at their annual Ontario Horticulture Crops Conference. The title of his presentation was "Sweet Corn Genetics; How Primary Genes Influence Taste and Texture." He was there Feb. 16-18.

- Leellen Solter, assistant professor, gave a talk titled "Host specificity issues for insect pathogens used as classical biological control agents" at the USDA/ARS Microbial Biological Control Workshop held Feb. 17-23 in Orlando, Florida.

Student News

As the ACES Open House is around the corner, the Floral Design

students are once again perfecting their performance, "Floral Design to Music." This year will be their 10th year to perform this show.

MACHS CONVENTION
The Horticulture Club will be hosting the Mid-America Collegiate Horticulture Society's (MACHS) annual convention, March 17-20, 1999._ Top horticulture undergraduates from 12 mid-American states will be meeting here to interact with each other, faculty and industry professionals. They will attend horticultural seminars and workshops, present research papers and posters, and compete in plant judging and other competitions. Tours of the campus and the Department of NRES facilities, as well as a day touring horticultural industries in the Chicago area, will be part of the conference.

Alison Brozak, MACHS chairperson, says this is an opportunity for NRES to show off its facilities, research, and graduate programs to top horticulture undergraduates from across the country. The MACHS Planning Committee is putting together a schedule of events for visiting students. If you are interested in sharing your ideas with this committee, or have any questions about MACHS 1999, email Alison Brozak at. *a-brozak@uiuc.edu.* See page 6 for program, speakers, and tours

Publications

Bottenberg, Harry, John Masiunas, and Catherine Eastman. 1999 Strip Tillage Reduces Yield Loss of Snapbean Planted in Rye Mulch. HortTechnology 9(2):51-56.

Pan, Xiaokang, John D. Hesketh, and Morris G. Huck. 1998. A web interface to databases associated with a plant growth simulator. Elsevier Science B.V. 21:207-201.

Maddox, J. V., M. Baker, M.R. Jeffords, M. Kuras, A. Linde, M. McManus, L. Solter, J. Vavra, and C. Vossbrinck. 1999. Nosema portugal n sp., isolated from gypsy moths (Lymantria dispar L.) collected in Portugal. J. Invertebr. Pathol 73:1-14.

Voigt, Chuck E. 1999. Fabulous french tarragon. Winter 1998-99 issue Mostly Garlic. pp. 28-31.

Calendar

Mar. 5-6 ACES Open House

Mar. 6 Graduate Student Symposium

Mar. 10 noon Student Seminar-Developing Communication Skills - W-115 TH

Mar. 12 3-5:00 ACES Faculty meeting

Mar. 13-21 Chicago Flower Show

Mar. 16 1:30 NRES Faculty meeting, W-121 Turner Hall

Mar. 15-19 Student Spring Break

Mar. 17-20 MACHS Convention

Mar. 19 Campus Spring Break

Mar. 24 noon Student Seminars-Interview Skills, W-115 Turner Hall

Mar. 31 noon Restaurant Etiquette for Interviews, W-115 Turner Hall

April 7 noon Student Seminar-Job Ethics, W-115 Turner Hall

April 14 noon Job Searching for Graduate Students, W-115 Turner Hall

Apr. 14 2:00 NRES Faculty meeting, W-121 Turner hall

Apr. 15 5:30 Gamma Sigma Delta Initiation and Banquet, Illini Union Ballroom

Apr. 17 Hort Club Mom's Day Flower Show & Sale - Stock Pavilion

Apr. 20 5:30 ACES & Paul A. Funk Awards Reception and Banquet

Apr. 23 3-5:00 ACES Faculty meeting

Apr. 26 5:30 Campus Instructional Awards Banquet

May 2 12-2:30 ACES Student Awards Banquet, Illini Union Ballroom

May 13 1:30 NRES Faculty meeting, W-121 Turner Hall

May 16 Graduation Day

May 31 Memorial Day Campus closed

Oct. 16 Homecoming

Oct. 28 11:30 Scholarship Luncheon

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

Number 4, April 1999
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
Student News
In the News
Condolences
Conferences and Travels
Publications

ACES HONORS TOM FERMANIAN AND BILL SULLIVAN

Two members of the NRES Department, **Tom Fermanian** and **Bill Sullivan**, will receive highest honors this month at the College of ACES and Paul A. Funk 1999 Recognition Awards Banquet.

Fermanian, associate professor of turfgrass science, will receive the Karl E. Gardner Outstanding Undergraduate Advisor Award. This award recognizes demonstrated excellence in undergraduate advising and counseling.

Sullivan, associate professor of human environment, will receive the John Clyde and Henrietta Downey Spitler Teaching Award. This award recognizes outstanding faculty teaching as it is broadly defined, to include all instructional activities of the College of ACES.

Both Tom and Bill will be officially recognized for their accomplishments on April 20, 1999, at the awards banquet at the Illini Union.

EXTENSION GARDEN AT CHICAGO FLOWER SHOW

On March 12 the garden presented by the University of Illinois Extension Horticulture Team won the prestigious Illinois Landscape Contractor's Horticulture Award as well as the Governor's Award at the fifth annual Chicago Flower and Garden Show at Navy Pier. All awards were based on the results of five independent out-of-state judges representing landscape architecture, horticulture and landscape contracting. The garden, entitled: "Vegetable Gardening Magic," highlighted ways in which gardeners can enjoy gardening in small spaces.

The garden's design and installation team consisted of **Floyd Giles**, professor emeritus of horticulture, Gregory Stack, extension educator, and **David Williams**, professor and extension

specialist in horticulture. They were assisted by numerous Master Gardener volunteers who, in addition to helping with the installation, manned the garden for the nine days that the show was open to the public.

During the week of the show, the garden was viewed by 175,000 "green thumbs." A group of University of Illinois State Specialists and Extension Educators presented garden seminars daily. The University was also represented at the flower show by an exhibit that featured the College of ACES, the Department of NRES, and the University Arboretum.

FLOWER POWER

Bill Shoemaker, senior research specialist, and the St. Charles Horticulture Research Center supported the successful efforts of the Batavia Plain Dirt Gardeners at this year's Chicago Flower and Garden Show. Their exhibit consisted of native habitat and spring-flowering wildflowers of Kane County and won two awards, the Mayor's Award and the Land of Lincoln Award. The Research Center provided space in the greenhouse for forcing the wildflowers and technical support for care and scheduling.

FIRST ISSUE OF *ILLINOIS ENVIRONMENTAL POLICY REVIEW*

Volume 1, Number 1 of the Illinois Environmental Policy Review (IEPR) was published by NRES in March. Almost 4,000 copies were sent to government officials and interested organizations around the state. **David Onstad**, IEPR managing editor and NRES associate professor, writes that IEPR "will address environmental policy topics that are relevant to Illinois and not likely to be addressed similarly elsewhere. We'll bring you pro and con viewpoints on geological, sociological, and other perspectives.

IEPR is funded by Partnership Illinois and NRES. Mailing assistance comes from the Department of Commerce and Community Affairs and the Illinois Municipal League. The editorial board consists of UI professors: Maggie Alario, **Dick Brazee**, Clark Bullard, Wayland Eheart, **Mike Jeffords**, **Rick Larson**, **Greg McIsaac**, Bob Reber, **Ann Reisner**, Bob Rich, Ron Yates, and **David Onstad**.
To receive a copy or to subscribe to future issues of IEPR, contact David Onstad at onstad@uiuc.edu.

RETIREE RECEPTION

The College of ACES is holding a reception in honor of all ACES retiring staff members. Our NRES Department retirees are **Donald C. Elliot**, foreman and agricultural gardener, and **Floyd A. Giles**, professor of horticulture. Everyone in the College of ACES family is invited to extend their best wishes at the reception on Monday, April 19, 1999 from 3:00p.m. - 5:00 p.m.

in the Bevier Hall Cafeteria.

NATIONAL ARBOR DAY FOUNDATION AWARD
President John E. Rosenow, of the one-million-member National Arbor Day Foundation, awarded **John W. Andresen**, visiting professor, the 1999 NADF Certificate of Merit. The citation read "In recognition of your 50-year efforts on behalf of urban trees and environmental stewardship."

POSTDOCTORAL RESEARCH ASSOCIATE JOINS KORBAN'S LABORATORY
Welcome to Dr. Minliang Xu, postdoctoral research associate, who has recently joined **Schuyler Korban's**, professor of plant genetics, laboratory to work on a molecular mapping project. Dr. Xu came to us from Germany where he worked as a postdoc in Dr. A.E. Melchinger's laboratory at the University of Hohenheim.

UPCOMING SEMINARS
Don't miss what's left of the series of Spring Ecosystem Management Seminars that have been taking place every Friday since March 26 and will continue through April 30. The following topics are still to be covered covered: "Exotics: Why Illinois Kicked the Habit," "An Ecosystem-Based Model for Managing Illinois Watersheds," and "Delineating riparian areas functionally: concepts and application to stream buffer management." If you would like more information, please e-mail Greg McIsaac at: gmcisaac@uiuc.edu

NRES SPRING SOCIAL MAY 6th
Yes, there will be a NRES spring picnic, according to **Jim Lang**, social committee chair. The date is set for May 6 and the location is the Landscape Horticulture Research Center on south Lincoln Avenue. Remember to mark your calendars for this departmental event. All students, faculty, staff, retirees and families are invited. There will be burgers and hot dogs served with potato salad, chips, veggie trays, ice tea and lemonade. If you want to get involved, contact Jim at 333-9473.

REBEIZ APPOINTED TO BOARD
Constantin A. Rebeiz, professor, has been appointed to the Editorial Board of *Analytical Biochemistry*. Congratulations.

THANKS TO ACES OPEN HOUSE VOLUNTEERS
A pat on the back goes to all those who helped to showcase NRES at the ACES Open House. **James M. Lang**, associate agronomist and NRES Open House Committee Chair, wrote of making an impression on those who attended Open House: "The public are the clients who fund us, in part. The children are potential University of Illinois students and may perhaps choose NRES as their major or minor study. Providing a positive image

of our department at this important outreach function . . . augments a positive impression to these people we depend on."

LITTLE NEWSMAKER
The third child of Ann and **Tim Marty**, named Leah Elizabeth, has arrived. Born at 9:15 p.m. Tuesday, March 23, in Carle Foundation Hospital, Leah weighs 7 pounds. She has two brothers, Michael, 11, and Philip, 8. Tim is a lecturer of forestry, and Ann is a physician at Carle Clinic in Monticello. Best wishes to the Marty family.

THREE CHEERS FOR VOLUNTEERS!
April 18-24 is National Volunteer Week, so go out there and make a difference.

DONUTS AND COFFEE
Don't forget to head down to W209 every Tuesday between 9:30-10:30 am. The NRESGO will be there selling 40¢ donuts and 25¢ cups of coffee (both caffeinated and decaf). Yum yum.

Conferences and Travels

BUG'S-EYE VIEW AT FIELD MUSEUM
Ken Olson, professor of pedology and soil conservation, attended the March 23, 1999 preview of the new "Underground Adventure" exhibit at the Field Museum in Chicago. The 15,000 sq. ft exhibit represents the most ambitious public learning initiative in the 106-year history of the museum. It will be the centerpiece of the environmental education efforts which include programs and materials. Visitors to the Underground Adventure will gain a "bug's eye-view" of life in soil and its dramatic connection with all life above ground.

The opening coincides with the 50-year celebration of the National Science Foundation and the 100-year celebration of the National Cooperative Soil Survey program (USDA, Natural Resource Conservation Service, University, state and local cooperators). Soil scientists, microbiologists, and biologists from all over the country (including Illinois) contributed technical services and advice during construction of the exhibit. Lead sponsor funding was provided by Monsanto, Con Agra Foundation, National Science Foundation, and the Fort James Foundation.

The Field Museum expects to have over 15,000,000 visitors to the "Underground Adventure" during the life of the exhibit. Olson recommends that NRES faculty, staff and students consider adding it to their schedule of activities the next time they visit Chicago.

VIENNA CONFERENCE
Lee Solter, assistant professor and NRES affiliate, attended the International Organization for Biological Control working group meeting "Insect Pathogens and Insect Parasitic Nematodes" in Vienna, Austria, March 22-26. She was invited to give a Plenary presentation "The Trouble with Protozoa: Pesticides or Natural Enemies?"

PLANT DIVERSITY PRESENTATION
On Saturday, 27 March, more than 90 people attended **Ken Robertson's** presentation entitled "Illinois Native Plants -- A Wealth of Diversity" at the Tri-County Gardening Day in Peoria. This event was sponsored by the Master Gardeners program and the U of I Cooperative Extension Service. Robertson is a botanist, professional scientist and NRES affiliate.

Student News

TRAVEL GRANTS AWARDED
The UI Graduate College has awarded three NRES students with Graduate College Conference Travel Grants. Congratulations to **Eric Kershner**, **Roderigo Velarde**, and **Mary Lokhaiser**, who were all selected to present their work at the conferences and also received these grants. Eric, a PhD student, is traveling to the Wilson Ornithological Society Annual Meeting. Roderigo, an MS student, will attend the 1999 North Central Branch Meeting of the ESA. Mary, a PhD student, will go to the The Society for Human Ecology's 10th International Conference "Living with the Land: Interdisciplinary Research for Adaptive Decision Making" in Montreal, Canada.

In the News

NEW IEPR MAKES NEWS
The first publication of the Illinois Environmental Policy Review was the subject of an article *in Farm Week* on March 16. See the NRES News article entitled "First Issue of *Illinois Environmental Policy Review*" for details.

MOVING UP THE GRAPEVINE
Wine is an industry on its way up in the state. An article in *Illinois Agrinews* recognized **Bob Skirvin**, professor of horticulture, for his survey on grape growers in Illinois to identify their research needs. He said the biggest need seems to be for testing new grape varieties in terms of winter hardiness, disease, resistance and quality. He is also working with a research group to find grapes for potential use in Illinois. "Some of the vines that make the best wines do not overwinter well in Illinois, so we need to find what cultivars make the most sense for the state's growers," Skirvin said. Alan Otterbacher and Mosbah Kushad

were also mentioned as members of the research team.

ROOTWORM RAGE
The fight is on against rootworms - those beetles that cause a billion dollars worth of crop damage each year. An article which appeared in the *News-Gazette,* "Calling all roots for rootworm study," recognized **Eli Levine**, associate professor, and **John Shaw**, senior research specialist in agriculture, and described their efforts toward managing corn rootworms. They are also asking farmer volunteers to participate in the study by sending in some of their corn plants as data. Levine was again mentioned in "Tasty Trouble For Rootworms," an article in the March issue of Progressive Farmer. The article told how soybeans may possibly be a weapon to fight a new form of Western corn rootworm, which is causing trouble in parts of the Cornbelt.

Also, **Richard Lampman**, postdoctoral research associate, and **Robert Novak**, associate professor, were mentioned in both the March 12 *Midwest Grower* article, "New tool emerging for corn rootworm control," the March 7 *News-Gazette* article, "Attractants offer new tool for corn rootworm control" and the March 25 *Kankakee Daily Journal* article "Billion-dollar beetle battle: UI researchers focus on two powerful rootworm attractants". According to all three of the articles, research on corn rootworms has led to a control technique of manipulating their natural behavior with kairomones. These hormones attract beetles searching for food to eat, luring the pests to insecticides or reducing their egg laying and mating by disrupting their behavior.

IS YOUR SOIL HEALTHY?
Michelle Wander, assistant professor of soil fertility/ecology, was quoted in an Illinois *Agrinews* article "Scientists at U of I testing soil quality, health measurements." The article also appeared in the March 17 *Rantoul Press*. "Soil quality is no longer measured simply in crop yields, but by also looking at how soils filter and retain matter and nutrients and how they regulate water flow. Healthy soil requires management practices beyond applying fertilizers. However, often farmers don't employ these practices because they are expensive."

CONGRATULATIONS Y'ALL!
The results are in! The following is the official 'incomplete list of NRES instructors ranked excellent' (Spring 1999, based on Fall 1998 data) and their class(es):

Bruce Branham 252
Jeffrey Dawson 213
Timothy Ellsworth 199
Anton Endress 401
Anthony Kahtz, TA 253
Dianne Noland 243, 107

James Schmidt 243
Robert Skirvin 261, 103
Art Spomer 343
William Sullivan 255

Condolences

Maurice Hook, father of **Charles Hooks**, adjunct agronomist and NRES affiliate, passed away on March 9, 1999. Our condolences go out to Charles and his family.

Publications

Kuo, Frances E., Sullivan, William C., Coley, Rebekah L., & Brunson, Liesette. (1998) Fertile Ground for Community: Inner-city neighborhood Common Spaces. *American Journal of Community Psychology, Vol. 26*, No. 6, p823-851.

Miles, I., **Sullivan, W.C., Kuo, F.E.** (1998) Prairie restoration volunteers: The benefits of participation. *Urban Ecosystems* Vol. 2, No 1. p. 27-41

Calendar

Apr. 8 1:30 NRES Faculty meeting, W-121 Turner Hall

Apr. 14 noon Job Searching for Graduate Students, W-121 Turner Hall

Apr. 15 5:30 Gamma Sigma Delta Initiation and Banquet, Illini Union Ballroom

Apr.17-18 Hort Club Mom's Day Flower Show & Sale - Stock Pavilion

Apr. 19 3-5:00 ACES Retiree Reception Bevier Hall Cafeteria

Apr. 20 5:30 College of ACES and Paul A. Funk Recognition Awards Program Reception, Illini Union South Lounge
6:30 Dinner and Program, Illini Union Rooms A-B-C

Apr. 23 3-5:00 ACES Faculty meeting, 150 ASL, Annual Business Meeting

Apr. 26 5:30 Campus Instructional Awards Banquet

May 2 12-2:30 ACES Student Awards Banquet, Illini Union Ballroom

May 13 1:30 NRES Faculty meeting, W-121 Turner Hall

May 16 Graduation Day

9:30 ACES Undergraduate Convocation, Krannert Center

10:00 ACES Graduate Convocation, Smith Hall

May 31 Memorial Day, campus closed

Oct. 16 Homecoming

Oct. 28 11:30 NRES Scholarship Luncheon

"Once Upon a Garden"

The University of Illinois Horticulture Club
invites you to come out and enjoy
the pleasures of springtime
at the...

1999 44th Annual Mom's Day Weekend
Flower and Garden Show

Sat., April 17 9 a.m. - 5 p.m.

Sun., April 18 9 a.m. - 2 p.m.

University of Illinois Stock Pavilion,
1402 West Pennsylvania Avenue, Urbana

~It's an all-around fun, flowery, scent-filled time that you don't want to miss~

NRES News is published monthly by the Department of Natural Resources and Environmental Sciences

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Number 5, May 1999
University of Illinois at Urbana-Champaign

In this issue:

Calendar of Events
Student News
In the News
Conferences and Events
Publications

"Summer Makes a Silence After Spring."
— Vita Sackville-West

Just a reminder that "NRES News" is not published during the summer months. We'll be back in September with more news from our Department.

CHANGING FACES IN NRES

After many years of service, **Jim Poppe**, agricultural gardener, has left to pursue full-time farming, and **Don Elliott**, foreman and agricultural gardener, has decided to hang up the spurs and retire. Temporarily replacing Don and Jim on the Cruse Tract Research Farm will be **Phillip Baker**. Phil hails from the Ivesdale area where he part-time farms along with assisting others in farming. He is also a childhood friend and neighbor of **Bill Shoemaker**, senior research specialist in food crops. Phil began work on Monday, April 26 and will work through the summer. Please give him a warm welcome.

THOSE WEDDING BELLS...

Loretta M. Ortiz and Michael L. Ribbing were married in Philo, Illinois on Saturday, April 10, 1999. Loretta is an extension specialist in Vegetable Pathology, as well as a part-time graduate student in Crop Sciences. Michael is a pressman at the Commercial News in Danville, IL. They recently moved their combined families and now live in Fairmount, IL, near the Blue Needles golf course just outside Catlin, IL. Loretta will use Ortiz-Ribbing as her last name. Congratulations to the newlyweds.

CONSULTANT TO NATO NATIONS

As part of the U.S. Department of Defense Joint Contact Team Program, Lieutenant Colonel **John Andresen**, visiting professor, has been appointed as a military urban forestry consultant to the three most recently confirmed Central European Nations to gain entry into the North Atlantic Treaty Organization (NATO). These

three Nations with their Washington, DC Ambassadors are: The Czech Republic, Alexander Vondra; The Republic of Hungary, Geza Jeszenszky; and The Republic of Poland, Jerzy Kozminski

NRES DEPARTMENTAL SCHOLARSHIPS

Congratulations to the 1999-2000 recipients of the NRES Department Scholarships:
Maureen Wirtas, *G. Victor Ball Horticulture Scholarship*
Julie Schwartz, *Grace G. Bickelhaupt Memorial Award in Horticulture*
Susan Holmes, *Eugene S. Boerner Scholarship in Floriculture*
Erin Robinson, *Eugene S. Boerner Scholarship in Floriculture*
Jaclyn Higgins, *Earl Dean Bork Horticulture Scholarship*
Kelly Moran, *Forestry Faculty Merit Award*
Jill Van Dyne, *The Garden Club of Illinois*
Jennifer Smith, *The Garden Club of Illinois*
Meredith Blumthal, *The Garden Club of Illinois*
Laurel Barmore, *Lyon W. Hartman Horticulture Scholarship*
Ernesto Huaracha, *Karl F. & Frances A. Helfrich Horticulture Scholarship*
Rachel Shaw, *Illinois Nurserymen's Scholarship*
Colin Dent, *Ivan John Jansen Memorial Scholarship*
Keri Brumfield, *Richard & Emily Pryor Scholarship in Horticulture*
Ann Claerbout, *Sinnissippi Forest Award in Forest Management*
Jonathan Fisher, *James A. & Betty Stewart Award in Urban Forestry*
Rebecca Hall, *Orville & Freda Waddell Memorial Scholarship*
Jaret Brochmann, *Charles S. Walters Award in Forest Products*

NRES SECRETARIES AND THEIR DAY

Although Secretaries' Day has come and gone, this note is to acknowledge the NRES Secretaries and their many contributions to our department's growth. You know who you are! Thank you.

NCSA COMPUTER TIME

George Gertner, professor of biometrics, **Guangxing Wang**, postdoctoral research associate, and **Pablo Parysow**, postdoctoral research associate, received 196,000 hours of computer time from the National Center for Supercomputer Applications (NCSA). The time is for the project, "Error and Uncertainty for Ecological Modeling and Simulation."

STYROFOAM PEANUT RECYCLING

Thank you to **Gerry Sims,** microbiologist/lead scientist, for purchasing and placing the styrofoam 'peanut' recycling bin in the Turner Hall loading dock.

Conferences and Travels

TRI-STATE FORESTRY STEWARDSHIP CONFERENCES
Mike Bolin, extension forester, reports that 496 forest landowners from IL, IA and WI attended the1999 Tri-State Forest Stewardship Conference held near Galena, IL on Saturday, March 13. The conference was coordinated by Mike, with assistance from **Judy Stoll**, secretary III; **Jeremy Shafer**, research specialist in agriculture; and **Bianca Rios**, graduate student. A sixth conference is planned for Saturday, March 18, 2000, at the same location.

BOLIN PLANS NEW CONFERENCE

A new Tri-State Forestry Stewardship Conference has been planned for forest landowners from IL, IA, and MO. The conference will be held on Saturday, November 13, 1999 at the Holiday Inn in Quincy, IL. 300 participants are expected to attend. The conference is sponsored by the three states' Extension Services, the DNR/DOC Forestry Divisions, the NRCS and the forestry/natural resource departments/schools at the U of I, Iowa State, and U of Missouri. **Mike Bolin** is the conference coordinator.

TEXTILE SYMPOSIUMS FOR RAHEEL

Mastura Raheel, professor of textile science, has been selected to serve on the Scientific Board to organize the international symposium "Textile Science for the XXI Century" to be held in Lisbon/ Guimaraes, Portugal, June 8-10, 1999. Dr. Raheel will present an invited paper at the symposium.
Raheel will also present an invited paper at the International Symposium on Performance of Protective Clothing, sponsored by ASTM, Committee F-23, to be held June 28-30, 1999, in Seattle, Washington.

SUSTAINABLE AGRICULTURE AND CHINA

On April 5th, **Dan Anderson**, research extension specialist in agriculture, traveled to Chicago and presented a lecture on sustainable agriculture to the Zhejiang Delegation of Senior Governmental Administrators for Sustainable Development from China. The Delegation's visit was arranged by The 21st Century Institute, which organizes and promotes such visits between the US and China to increase awareness and improve Sino-American relations.

IOWA STATE UNIVERSITY REVIEW

Art Spomer, professor, was at Iowa State University the week of April 11-15 where he was a member of a four-person team conducting a state-mandated internal review of the Horticulture Department.

INSECT PATHOLOGY IN HONDURAS

Lee Solter, assistant professor and NRES affiliate, visited the campus of the Pan American School of Agriculture, Zamorano, and Honduras April 12-15. She is co-organizing a course in insect pathology to be team-taught on the Zamorano campus December 6-11, 1999. Participants will be senior students and Zamorano staff, and invited participants from other Central American institutions, as well as two graduate student participants from the University of Illinois. Lee is working with Dr. Sarah Gladstone of Zamorano to organize the course. Other instructors will be Dr. Mary Barbercheck, North Carolina State University and Dr. Kathy Hodges, Cornell University.

INSECT EXPO TAKES TO THE ROAD

Michael Jeffords, associate professor of entomology; **Susan Post**, research specialist in agriculture; and Carie Nixon, INHS; took to the road with Insect Expo '99 on April 22. Also taking part were volunteers Marianne Alleyne; Vanessa Block, Rosa Escolan; **Charlie Helm**, senior research specialist in agriculture; Stephen Lavallee; **Lee Solter**, assistant professor and NRES affiliate; and **David Voegtlin**, associate taxonomist. The Expo was presented to nearly 3,000 elementary and middle school children at Shawnee Community College, Rustic Campus, near Karnak, Illinois. Assisting the INHS U of I volunteers with on-site organization were staff of the U.S. Fish and Wildlife and Illinois Dept. of Natural Resources. Local high school students were able volunteers for the exhibits and hands-on activities.

Student News

BRONZE TABLET AWARDEES

Congratulations to **Beth Ann Smith**, **Jessica Westin**, and **Karen Brook** for their inclusion on the 1999 ACES Bronze Tablet. All three had grade point averages within the top three percent of the ACES graduates between July 1, 1998 and June 30, 1999. Their names will be cast on the 1999 Bronze tablet permanently displayed in the Main Library. In addition, they were recognized at the College of ACES Student Awards Banquet on May 2.

ILLINI FORESTERS BANQUET

The Illini Foresters held their annual banquet on April 27, 1999, at the Park Inn in Urbana. Congratulations to the following members and faculty who received awards (incomplete list):
Outstanding Senior--**Scott Hopton**
Outstanding Freshman--**Gabe Hamer**
Outstanding Instructor--**Dr. Jeff Dawson**
Summer Camp Scholarship--**Ann Claerbout**
Toothless Saw Award--**Dr. George Gertner**

STUDENT PRESENTATIONS

Todd Wildermuth, grad student in NRES, presented "Place-

based indicators and ecological community accounting: A Kansas case study" at the National Conference on Environmental Decision Making, April 12-13, in Knoxville, TN.
Rodrigo Velarde, graduate student in NRES, presented a poster co-authored with his advisor **Robert Wiedenmann** at the 1999 North Central Branch Meeting of the Entomological Society of America. The poster obtained first place in the Students Award Competition, MS Poster Presentations. The title of the poster was "Influence of photoperiod on the overwintering induction of Galerucella calmariensis L. (Coleoptera.Chrysomelidae) "

HUMAN-ENVIRONMENT LAB GRADS

Frances Kuo, assistant professor in cognition and environment, writes that two members of the Human-Environment Research Laboratory are graduating. **Meghan Campbell**, research/administrative assistant, is graduating with a B.S in Psychology and has been recognized as a bronze tablet winner. Meghan will be going on to graduate school in Indiana, where she's been awarded the highly competitive Women in Science fellowship. In addition, **Liesette Brunson**, Kuo's advisee, is getting her Ph.D. Her dissertation was funded by the U.S. Forest Service and the H.U.D.

In The News

HIGH PRAISE FOR GARDENING BOOK

The Chicago Tribune's Gardening Section (March 28) featured a special piece titled "Great Gardeners offer beginners great places to start." **Chuck Voigt**, research specialist in agriculture, was recognized for his book, "Vegetable Gardening in the Midwest." John Swenson - vegetable gardener, plant collector, allium specialist, and historian - chose it as his top recommended book for beginning gardeners.

VOIGT'S ADVICE TO HOMEOWNERS

Tom Voigt, assistant professor, gives some tips in "Hurry up and wait guidelines for spring lawn care offered," an article in the April 16 issue of Illinois AgriNews. He tells those homeowner who are itching to start lawn care projects that they may need to hurry to do some chores, but they can delay others. One of his tips was that it is best to apply the first full fertilizer application of the season during the first two weeks in May. "An earlier application of fertilizer increases the potential for leaf spot diseases that affect grass," Voigt informs.

NEW ROOTWORM CONTROL

A UI press release mentioning the work of **Richard Lampman**, postdoctoral research associate, and **Robert Novak**, associate professor, was picked up in yet another publication. The March 30 issue of *The Register-Mail*, Galesburg, Ill., ran the article as

"Research yields new corn rootworm control." The article covers new research on controlling rootworms by manipulating their natural behavior with attractants.

INTERPRETING SOIL HEALTH

Michelle Wander, assistant professor of soil fertility ecology, is getting increased media coverage of her soil health research. *The Register Mail*, Galesburg, ran the article under the title "Definition of soil health becomes broader," and the *MidAmerica Farmer Grower* ran it under "U of I scientists testing soil quality/health measurements."

THE DECLINE OF THE FAMILY FARM

Gary Rolfe, NRES department head, shared his perspective on "Is agriculture traveling a one-way street?" in the April 19 issue of *Farmweek*. According to Rolfe, biotechnology, computer systems, and an increased concentration in the agribusiness sector are creating overwhelming trends in fewer and bigger farms and are putting up barriers between farmers and their values Increasing research with ecology, diversity, and traditional agricultural values in mind would help with the problem

CORRECTION

The name of **Mary Ann Lila Smith** was inadvertently omitted from the "incomplete list of NRES instructors ranked excellent" in the April issue of NRES News.

Publications

Kushad, M., M. Guidera, and A. Bratsch. 1999. Distribution of horseradish peroxidase in horseradish plants. HortScience 34:127-129.

Kushad, M. 1999. Cider chemistry and effect of pasteurization on quality. Proc. Illinois Hort. Soc. 132:9-13.

Kushad, M. 1999. Foreign apple production and its impact on the USA and world markets. Proc. Illinois Hort. Soc. 132:18-21

Kushad, M. 1999. Sanitation procedures in cider production. Proc. Illinois Hort. Soc. 132:52-59.

Kushad, M. 1999. Year four results from the NC.140 dwarf and semi-dwarf apple roostock trials Proc. Illinois Hort Soc 132:63-67.

Parysow, P. and **G.Z. Gertner**. 1999. The Role of Interactions in Hypothesis Testing of Ecological Scenarios with Process Models.

Ecological Modellin 116: 107-124.

Calendar

May 13 1:30 NRES Faculty meeting, W-121 Turner Hall

May 16 Graduation Day

9:30 ACES Undergraduate Convocation, Krannert Center

10:00 ACES Graduate Convocation, Smith Hall

May 31 Memorial Day, campus closed

Oct. 16 Homecoming

Oct. 28 11:30 NRES Scholarship Luncheon

Credits

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NRES Mission Statement: *The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural, agricultural and urban systems in a socially responsible manner.*

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University of Illinois
College of ACES
Other Departments, Units, and Divisions within the College of ACES

Number 11, April 2000
University of Illinois at Urbana-Champaign

In this issue:

Honors and Kudos
Student News
Upcoming Events
Papers Published

NRES Newsmakers
Personnel Changes in NRES
Personals
Calendar
Credits

Come to the 45th Annual Mom's Day Flower Show

The Horticulture Club will present its 45th Annual Mom's Day Flower Show and Sale on April 8 and 9 at the Stock Pavilion, 1402 West Pennsylvania Avenue, Urbana. This year's theme is "Gardens Through Time." Show hours will be 9:00 a.m. to 5:00 p.m. on the 8th and 9:00 a.m. to 2:00 p.m. on the 9th. Anyone interested in helping our students set-up on Thursday and Friday prior to the show should contact Cory Rolfe, chair of the event.

Welcome New Faces

There are several new editions to the NRES family. Check out the "Personnel Changes" section of *NRES News* and welcome our new staff members when you see them.

Honors and Kudos: Read 'em Here

Some Excellent Teachers

The March 31 issue of the *Daily Illini* listed the following NRES faculty on the "Incomplete List of Teachers Ranked as Excellent by their Students, Spring 2000 (based on data collected fall 1999)": **Dan Anderson, Don Briskin, Jeff Dawson, John Edgington, John Hassett, Gary Kling, Phil Mankin, Tim Marty, Scott Maxwell (TA), Dianne Noland, Jim Schmidt, and Bob Skirvin.**

Warnock Promising Young Researcher

The April edition of *Greenhouse Grower Magazine* featured ten young floriculture scientists, including **Daniel Warnock**, assistant professor, production floriculture. The article highlighted researchers likely to make a significant impact on floriculture through research, teaching, and outreach. Warnock was recognized for his work with western flower thrips and host plant resistance.

IEPR Celebrates One Year and Keeps Rollin'

The Sentinel Research Program of C-FAR at the Illinois Agricultural Experiment Station recently awarded a research grant to M.E. Gray, **E. Levine**, adjunct professor, soybean and corn insects, J.L. Spencer, **S.A. Isard**, adjunct professor, biometeorology and aerobiology, NRES affiliate, **D.W. Onstad**, associate professor, systems ecology, S.T. Ratcliffe, P. Mitchell, **H. Robertson**, adjunct professor, molecular entomology, M. Band, H. Lewin, L. Liu, and J. Pardinas. The award was for their proposal entitled "Crop Rotation Collapses as a Pest Management Tool for Western Corn Rootworms: In Search of a Solution." The grant will fund research from 2000-2003.

S.A. Isard, J.L. Spencer, and E. Levine also received a grant from the Illinois Soybean Program Operating Board for their proposal "Monitoring Bean Pod Mottle Virus (BPMV) in Rotation-Resistant Western Corn Rootworms (WCR) and Bean Leaf Beetles (BLB) in Illinois Soybean Fields."

Meet Brenda Molano-Flores

Brenda Molano-Flores is a new adjunct assistant professor in NRES. Molano, an assistant research scientist in the Center for Biodiversity, joined the Survey in January 1998 as a restoration ecologist. Her research involves several aspects of plant reproduction, plant breeding systems, and prairie restoration in particular. Currently she is a biologist at the Midewin National Tallgrass Prairie, which is the largest prairie restoration going on in the U.S. today.

Brenda received her B.S. in biology and M.S. in biological sciences from the University of Puerto Rico and her Ph.D. in botany from the University of Iowa. She is a native of Puerto Rico. After going to school and living in Iowa for almost six years, she says "I fell in love with the tallgrass prairie of Iowa and the open spaces of the Midwest." Although it was hard for her to leave Iowa, she moved just next door to Illinois.

When she is not doing fieldwork, at the office, or killing houseplants (just because she knows something about plants doesn't mean she has a green thumb), Brenda enjoys biking, hiking, reading, going to movies and most outdoor activities.

Cook County Bureau of Forestry

Steve Bylina, Cook County Bureau of Forestry's Deputy Commissioner, met with the College of ACES and Veterinary Medicine during their visit to Chicago last month. Bylina had "glowing commendations" for NRES faculty members, Jeff Dawson and Karyn McDermaid.

He thanked **Jeff Dawson**, professor of tree physiology, for his invaluable information about the urban forestry curriculum. Bylina reinforced the "vital importance of communications and public speaking experience" for the students he wants to hire. Dawson visited Bylina several times and reports that Bylina although a graduate of Southern Illinois University, studied under Visiting Professor **John W. Andresen**, when Andresen

headed the SIU Department of Forestry.

Karyn McDermaid received "glowing commendations" for her work on the NRES internship program and the recent NRES Career Fair. Bylina reported the Bureau felt welcome at the fair and is eager to hire our students. McDermaid is senior research specialist in agriculture.

Grad Assistant Deadline
May 20, 2000 is the deadline for submitting the information on graduate assistant appointments for summer and fall, per memorandum dated March 24, 2000. *Note:* Faculty who prefer to appoint their graduate students for the full 11/MO's (8.21.00-7.20.01) *please indicate under Fall Appointment.*

Student News

Cooke, Suski Receive Grants
Steven Cooke and **Cory Suski** both received Conference Travel Grant awards from the Graduate College. Cooke presented at the National Symposium on Catch and Release in Marine Recreational Fisheries Conference. Suski presented at the Canadian Conference for Fisheries Research.

Loughner Receives Grant
Congratulations to **Rebecca Loughner**, an undergraduate research assistant with Daniel Warnock, assistant professor, production floriculture. Rebecca received an $800 JBT Undergraduate Research Grant to conduct an experiment and placed second in the ACES Open House Undergraduate Poster Competition for a job well done.

Moran, Huenke Off To Argonne
Kelly Moran and **Christina Huenke** have been selected to fill research positions this summer at Argonne National Laboratory. For the past year, Kelly has been assisting **Richard Mulvaney**, professor of soil fertility and chemistry. Her affiliation at Argonne will be with the Environmental Research Division for a project on soil carbon. Christina, who will study protein structure in Argonne's Structural Genomics group, is presently an undergraduate research scholar working with **Jerry Sims**, NRES affiliate and environmental microbiologist. She will receive her B.S. in Microbiology this spring.

Looking For A Summer Internship or Job?
It's time to secure a summer internship or job. NRES Internship Database contains information about over 130 internship opportunities. New announcements are added daily. Information packets about writing resumes and cover letters and interviewing are available. For more information contact Karyn McDermaid, NRES internship coordinator, at karynk@uiuc.edu.

Upcoming Events

Mentoring Workshop
NRES faculty and graduate students are encouraged to participate in the Gamma Sigma Delta and College of ACES Mentoring Workshop on Monday, April 24 on the 4th floor of the Levis Faculty Center. The event will take place from 9:30 a.m. to 12:00 noon. Presenters will discuss ways to strengthen the relationships between faculty and students pursuing advanced degrees. The workshop is free and brunch will be served. To sign up, contact Anne Stites in 101 Mumford Hall, MC-710, ph: 333-3380, email: a-stites@uiuc.edu.

Greenhouse Management Workshop
The Second Annual Greenhouse Management Workshop will be held on June 20, 2000 at the Holiday Inn, Naperville, IL from 10:00 a.m. to 4:00 p.m. Topics include: keys to disease identification and management, tips to keep plants nutritionally healthy, how to automate your pesticide record-keeping, an up-date on pest control materials, and guidelines for implementing a biological control program in the greenhouse. For more information, contact **Raymond Cloyd**, assistant professor, ornamental entomology/Integrated Pest Management, at 244-7218 or rcloyd@uiuc.edu.

Insect Pathology Course
Lee Solter, adjunct professor and assistant professional scientist, will conduct a summer short course in Insect Pathology July 24-27, 2000, on the U of I campus. The course is sponsored by the Midwest Biological Control Institute, North Central Region Committee on Biological Control of Arthropod Pests (NCR-125) and is one of a series of short courses designed for graduate students and interested professionals. A specialist will cover each insect pathogen group. For an information packet, contact Lee at l-solter@uiuc.edu or 244-5047.

Master Gardener Conference
The March-April edition of *Imagine*, the Illinois Master Gardeners' Information, News and Education newsletter is out. Co-editors **Denny Schrock**, Extension specialist, and **Monica David**, research specialist in agriculture and Extension assistant, report that the State Master Gardener Conference is scheduled for August 23, 24, and 25. It will be held at the Brandywine Holiday Inn in Peoria, IL. This year's keynote speaker will be Jim Wilson from PBS's *Victory Garden* series. A schedule of events for the conference and registration information will appear in the next issue of *Imagine*.

Papers Presented/Meetings Attended

Lowry Presents Paper
Mary Lowry, NRES Student Services Coordinator attended the Third Biennial Conference on University Education in Natural Resources at the University of Missouri-Columbia campus March 26-28. She presented a paper entitled *Ten*

Questions to Answer Before You Build a Homepage in the technology session. This conference is designed to explore innovations in university and continuing education in natural resources science and management.

Stewardship Conference A Success
More than 550 landowners attended the 6th annual Tri-State Forest Stewardship Conference held at Sinsinawa Mound Center in Sinsinawa, WI. **Mike Bolin**, Extension forester, was the Chairman of the conference. The conference is sponsored by Extension services in Illinois, Iowa, and Wisconsin, the DNR Forestry Divisions, the USDA Natural Resource Conservation Services of IL, IA, and WI, and the forestry programs of NRES, Iowa State University, and the University of Wisconsin, Madison. **Jeff Dawson**, professor of tree physiology, spoke at the conference on "Understanding Basic Tree Physiology and Growth." **Judy Stoll**, NRES secretary, **Bianca Rios**, NRES graduate student, and **Jeremy Shafer**, research specialist in agriculture, assisted with conference set-up and tear down, registration, and administration. This conference continues to grow in size and popularity and is one of the largest landowner conferences of its type in the nation. The 2001 conference is planned for Saturday, March 10.

NSF PEET III Workshop
Mike Irwin, professor of international entomology, attended an NSF-sponsored PEET III three day conference and workshop where the PIs and trainees of the various PEET (Partnerships for Enhancing Expertise in Taxonomy) grants assembled. Irwin estimates that the turnout was over 300 scientists and graduate students, and that his project had the greatest number of attendees.

"The conference was held in Washington, D.C.," Mike reported, "and the breadth of taxonomic interests represented by the attendees was staggering, everything from liverworts to flies. There have now been three competitions for PEET awards, and the initial batch, which was given out in 1995 are nearing the end of their funding."

Irwin lists the people from the project that were in attendance: **Mike Irwin**, PI, UIUC; Brian Wiegmann, North Carolina State Univ., Co-PI; **Don Webb**, INHS, collaborator; Steve Gaimari, Smithsonian Institution, collaborator and past Ph.D. student; **Gail Kampmeier**, collaborator and senior research associate; **Jill Marie Mullett**, scientific illustrator graduate student, UIUC; Shaun Winterton, graduate student, Univ. Queensland, Brisbane, Australia; Longlong Yang, graduate student, North Carolina State University; **Mark Metz**, graduate student, UIUC; **Kevin Holston**, graduate student, UIUC; and **Martin Hauser**, graduate student, UIUC.

Shoemaker Speaks to Growers
Bill Shoemaker, senior research specialist in food crops, was the featured speaker at the Iowa Fruit and Vegetable Growers Conference in Des Moines, IA, February 23-25. He gave two

presentations, one on weed control strategies for growing tomatoes and the other on weed control options for jack o'lantern pumpkin growers. Bill also attended the Illinois Growers and Vintners Association annual conference in Springfield, March 22-24.

Rebeiz Gives Lectures
Tino Rebeiz, professor of plant physiology, gave two invited lectures recently. On February 24 at the American University of Beirut in Lebanon, he spoke about the use of Quantum Mechanics and Classical Biochemistry to resolve structure-function relationships. On March 15, at the University of Limerick in Ireland, he discussed the greening process and the development of photobiotechnologies.

Bouseman Gives Presentation
John Bouseman, adjunct professor and associate professional scientist, taxonomy of insects, gave an invited presentation entitled "Deer Tick and Lyme Disease in Illinois" at a Natural Resources Advisory Board meeting on Thursday, March 2. The meeting took place at the Days Inn in Danville, IL.

Charlebois Makes the Rounds
On March 2, **Pat Charlebois**, associate research scientist, gave a presentation on the status of the round goby biology and distribution in southern Lake Michigan to the Northwest Indiana Steelheaders in Portage, IN. On March 8-9, she attended meetings with Sea Grant researchers at Loyola University and University of Notre Dame designed to bring researchers into the outreach process. On March 14, she participated in a continuing education workshop on creative teaching techniques hosted by the Illinois Cooperative Extension Service.

On March 15, she attended a meeting of the Dispersal Barrier Advisory Panel in Chicago. On March 30, she co-hosted a workshop at the USDA-APHIS lab in Niles, MI to introduce 4-H leaders to biocontrol of purple loosestrife. She also gave a presentation on March 31 entitled, "Exotic Aquatics: Coming to a Lake Near You?" at the 15th Annual Conference of the Illinois Lake Management Association in Peoria, IL. From March 31-April 1, she hosted the spring meeting of the Yellow Perch Task Group at Hammond Marina in Hammond, IN.

News From the Vineyards
Alan Otterbacher, principal research specialist in agriculture, and **Bob Skirvin**, professor, horticulture, discussed the history of grape growing in Illinois from 1893 to the present at the Small Fruit School in Mt. Vernon, IL, March 7 and in Springfield to the Illinois Grape Growers and Vintners Association annual meeting March 22.

The authors of the paper included Daniel and Sheryll Clegg, who had gathered the data and helped write the paper as part of a Jonathan Baldwin Turner undergraduate research project

funded by the College of ACES.

The grape and wine projects of the Departments of Natural Resources and Environmental Sciences and Food Science and Human Nutrition were featured in a recent article in the Champaign *News Gazette*. See for details. Skirvin and Otterbacher will be working with enologist Steve Menke this summer to make small batches of wine from the C-FAR funded vineyards established at Dixon Springs (in conjunction with **Jeff Kindhart**, Extension specialist, horticulture), Urbana, New Salem, and St. Charles (in conjunction with **Bill Shoemaker**, senior research specialist in food crops).

News From Lee Solter

Lee Solter, adjunct professor and assistant professional scientist, attended the Southern Region Committee on the Use of Entomopathogens in Pest Management (S-265) in Orlando, FL. Lee is chair of the subproject, "Development of microbial pathogens for control of gypsy moth and other forest insects," and presented the 1999 subproject report.

Solter's lab also organized and coordinated an insect zoo and display for ACES Open House in cooperation with **Randy Rogers**, research specialist in agriculture and teaching associate. Volunteers were Kate Higgs, **Gail Kampmeier**, senior research specialist, and Solter, INHS; undergraduate student Misty Rahman, entomology; graduate students Jodie Ellis, Martin Hauser, Jeff Heilveil, and Chris Pierce, entomology, and Silvia Rondon, Crop Sciences.

Warnock Attends SAF Symposium

Daniel Warnock, assistant professor, production floriculture, attended the Society of American Florists Research Initiative Symposium, Feb. 24-25 in Chicago, IL. The focus of the meeting was to coordinate and identify research projects among universities that correspond with the newly formed Floriculture Initiative outlined by Congress in 1998. Daniel also participated in the National Floriculture Leaders Forum held Feb. 26-27 at the Chicago Botanical Gardens. The forum focused on student recruitment and internships.

Warnock Speaks at Bedding Schools

Daniel Warnock, assistant professor, production floriculture, was a guest speaker at the Illinois Southern Bedding Plant School on January 4 and the Indiana Flower Growers Spring Bedding Plant School on February 17. A presentation entitled "Increasing your profit margin through correct pricing" was readily received by area producers.

Schrock Speaks at Gardening Events

Denny Schrock, Extension specialist, attended the Weekend Gardening Expo in Collinsville, IL on March 18 and an event called the Potpourri of Gardening in Decatur on March 25. At both gatherings he gave presentations on wildflowers for Illinois.

Korban Attends Meetings
Schuyler Korban, professor of plant genetics, recently traveled to the Illinois State Capitol in Springfield to attend the C-FAR poster session on February 16. He presented two posters pertaining to C-FAR funded projects at the session. He then traveled to Indiana University in Bloomington, IN for a CIC workshop on February 17-19.

Jeffords On the Circuit
Mike Jeffords, adjunct professor, insect behavior and ecology, traveled to Western Illinois University in Macomb, IL on March 5 to present an invited lecture on the relationship of geology to natural habitats in Illinois. Thirty people attended this annual meeting/show of a series of geology clubs (Geodeland) across western Illinois.

Jeffords spent February 24 on the campus of SIU to present a seminar on Illinois Biodiversity for the monthly EcoWatch forum. Thirty people attended the program and a question and answer session that followed.

Jeffords also traveled to Neuqua Valley High School, Naperville, on February 21 to present a series of short workshops on biodiversity to the Environmental Issues He spoke to three classes, totaling nearly 70 students.

Wiedenmann Meets With USDA
Rob Wiedenmann, adjunct professor, biological control, traveled to Washington, D.C. March 1-3 to meet with USDA-CSREES staff on invasive exotic species issues. He also met with several legislative assistants in Senators' and Representatives' offices to discuss efforts on combating invasive species and the need for an INHS quarantine facility.

Cloyd On the Go
Raymond Cloyd, assistant professor, ornamental entomology/Integrated Pest Management, recently attended the following conferences and workshops:

- *Insect and Disease Management on Ornamentals*, Feb. 19-21, 2000, San Jose, CA. (Sponsored by the Society American Florists, Alexandria, VA)
- *Design of Experiments: Real World Designs for Real World Problems.* Jan. 29-30, 2000, Lexington, KY. (Sponsored by the American Phytopathological Society, St. Paul, MN)
- *Purdue Pest Control Conference*, Jan. 10-14, 2000, West Lafayette, IN.

NRES Newsmakers

Don Briskin, professor, plant physiology, was the subject of a Champaign *News-Gazette* Sunday feature (by Anne Cook)

March 26. The full-page spread featured Briskin's work as a member of the Illinois Senate Task Force on hemp. Briskin hopes to plant hemp trial plots in UI fields next year, but first must get the green light to make hemp studies legal.

Other states are evaluating hemp, and researchers in Hawaii have set up the first legal test plot on U.S. soil in more than 40 years.

"There's concern now about profitability from our two usual crops," Briskin says in the interview. "They're making money on hemp in Canada. Farmers there say profits are double or triple those from corn, so you can see why farmers here are excited."

Michael Jeffords, adjunct professor, insect behavior and ecology, and **Christopher Phillips**, an adjunct assistant professor for NRES, recently were featured in ACES NEWS online. Christopher, who is also an associate research scientist and curator for the Amphibians and Reptiles Collection at the Illinois Natural History Survey, is a co-author of *Field Guide to Amphibians and Reptiles of Illinois*, which is featured in the article. Jeffords describes the book, as "a wonderful reference manual for the wildlife enthusiast". To order copies of *Field Guide to Amphibians and Reptiles of Illinois*, call 217-333-6880, e-mail cwarwick@mail.inhs.uiuc.edu or write to the Illinois Natural History Survey, Distribution Office, 607 Peabody Drive, Champaign, IL 61820. The cost of the guide is $19.95.

Once again **Bob Skirvin**, professor of horticulture, was cited in a Champaign *News-Gazette* article about the many possibilities for Illinois wines. Steve Menke, UI's new enologist (wine maker) of the Department of Food Science and Human Nutrition was also featured in the article. The February 27 feature stressed that Illinois wine makers are already making good wines; Illinois currently has 18 wineries. The state expects to see three to five new wineries opening every year for the next four or five years. Skirvin is working to develop grape varieties resistant to cold and to herbicides.

Personnel Changes in NRES

Staff Plays Musical Chairs
Joyce Canaday reports the following changes in W-503 Turner Hall, effective April 3:

Linda Harvey (W-503 Turner Hall) moved to the secretarial position vacated by **Donna Prahl** in 1005 PSL. Linda will take over the duties of Donna (travel vouchers, P-Cards, car release orders, air travel orders, scheduling meetings, general typing, mail, photocopying). Linda's phone number: 244-1693, email: lharvey@uiuc.edu.

Cathy Harney, extra help in 1005 PSL, moved to Turner Hall.

Cathy will provide clerical support for NRES communications and development in the morning (N-507, 8-12 noon) and will work in W-503 from 1 to 4:30 p.m. for the faculty previously assigned to **Judy Stoll** (general typing, travel vouchers, car release orders, air travel orders, scheduling meetings).

Faculty currently assigned to Linda Harvey will now be assigned to Cathy Harney (afternoon only). Cathy's phone number in W-503 Turner Hall will be 265-0971, email: c-harney@uiuc.edu

Linda Kemplin from extra help services will replace **Linda Harvey** in W-503 Turner Hall (receptionist). Linda will be answering the phone, ordering office supplies, sorting the mail, and making reservations for the conference rooms and trucks. She can be reached at 333-2771.

Lisa Emerson reports the following changes in the NRES Business Office, effective April 3:

Dorinda Miller (244-2736, W-503) will be the main purchasing contact for NRES. Remember this means getting those P.O. numbers ***before*** committing University funds! Dorinda will also be the contact for faculty accounts for individuals with last names H through O.

Earleen Peters (244-2913, N-519) will be the backup purchasing and deposits contact for the department. Earleen will now assume responsibility for faculty accounts P through Z.

Ray Sanden (265-0217, S-406) will continue to handle deposits of gift or service/revenue checks. In addition, Ray will assume responsibility for inventory. If an inventory number is needed for a new piece of equipment, please give Ray a call. Ray's schedule is Wednesday through Friday, so contact the business office receptionist at 244-9430 on Mondays and Tuesdays if assistance is needed.

Kelly Sullan (244-1621, N-519) will retain responsibility for departmental accounts in addition to those accounts for faculty members A through G and R. Kelly will also assist Lisa Emerson with grant processing for NRES.

Business Office receptionist (244-9430, N-519). Duties will currently be handled by an Extra Help staff member, **Gail Pruiett**. Gail joined the Business Office staff on Monday, April 3, 2000.

Responsibility	**Initial Contact**
Acct "A - G"	Kelly Sullan (244-1621)
Acct "H - O"	Dorinda Miller (244-2736)
Acct "P - Q"	Earleen Peters (244-
Acct "R"	Kelly Sullan (244-1621)

Acct "S - Z"	Earleen Peters (244-
Deposits	Ray Sanden (265-0217)
Grant Processing	Lisa Emerson (244-5164)
Inventory	Ray Sanden (265-0217)
Personnel	LuAnn Schiff (244-1484)
Purchasing	Dorinda Miller (244-2736)

If a contact individual is not available, please contact the Business Office receptionist at 244-9430 for assistance.

New Appointments
Brenda Molano-Flores is an Adjunct Assistant Professor. To reach Brenda, e-mail her at molano@inhs.uiuc.edu.

Ernesto Huaracha is a new graduate student working on his M.S. under the supervision of Schuyler Korban, professor of plant genetics. Ernesto received his B.S. in horticulture here at the U of I, and is now working in the area of molecular genetics.

Chris Jones has begun working on a Ph.D. with William Roy, associate professor of soil chemistry. You can e-mail Chris at lc-johns@ux6.cso.uiuc.edu.

Farewell to Donna Prahl
Donna Prahl, secretary in PSL, transferred to the U of I Department of Molecular and Integrative Physiology on March 12. Donna, who started in the former Forestry Department, was honored at a pizza luncheon with NRES faculty.

Judy Stoll on Year's-Leave
Judy Stoll, secretary in NRES, is taking a year's leave of absence to work for the unions through AFL/CIO Central Body of Champaign County. Her leave was effective April 2. She will be the AFL/CIO Community Services Liaison, working in partnership with United Way. Judy will be responsible for different training programs with the unions and will coordinate community support and volunteer activities by union workers.

Judy started working in the former Agronomy Dept. in 1990, and moved to NRES with the soils professors when ACES was reorganized. She was president of AFSCME Local 3700, clerical union on this campus, until December 1999. She has been co-chair of the Campus Charitable Fund Drive for four years.

Personals

Welcom Griffin Wayne Lickfeldt
Belated congratulations to **Darin and Melissa Lickfeldt**, the proud parents of Griffin Wayne Lickfeldt. Their baby boy was born November 17, 1999 at Carle Foundation Hospital in

Urbana. He weighed in at 8 lbs. 9 oz. Darin is a Ph.D. student with Tom Voigt, assistant professor, turf extension. Melissa is a surgical technologist in the Operating Room at Carle.

Condelences
NRES expresses condolences to the family of **Constantin A. Rebeiz**, professor of plant physiology, on the death of his mother, Vanentine Rebeiz. Vanentine passed away Sunday, March 26, in Beirut, Lebanon. She was 96 years old.

Harlan Dickerson, father of **Barry Dickerson**, ACES Advancement, passed away March 29 at his St. Joseph home. He was 69 years old. Mr. Dickerson was born June 23, 1930 in Brazil, Indiana, and married Betsy Forrest on September 11, 1959. She survives. He was a veteran of the Korean War and attended St. Patrick's Church in Urbana. NRES expresses condolences to the Dickerson family.

Conference Presentations
Etter, D.R., T.R. Van Deelen, R.E. Warner, and **D.R. Ludwig**. Dec. 8, 1999. Density dependent reproduction in a managed urban deer population. 61st Midwest Fish/Wildlife Conference, Chicago, IL.

Gosselink, T.E., M. Joselyn, T.R. Van Deelen, and **R.E. Warner**. Dec. 6, 1999. Use of a GPS-assisted mapping of ephemeral cover types to study the habitat use of sympatric foxes and coyotes in agricultural habitats. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Gosselink, T.E., T.R. Van Deelen, and **R.E. Warner**. Dec. 7, 1999. Red fox survival along an urban-rural gradient in central Illinois. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Hubert, P. and **R.E. Warner**. Dec. 6, 1999. Characteristics associated with private landholders in Illinois that develop and maintain wildlife habitat. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Loughner, R. Feb. 19-23, 2000. Evaluation of amarylis pollen for thrips feeding preference. The Society of American Florist Integrated Pest Management Workshop. San Jose, CA.

McDermaid, K. March 24, 2000. Tools for identifying landowner values and attitudes. Illinois Department of Natural Resources Annual Pilot Watershed Program Conference, Decatur, IL.

McDermaid K. and **G.L. Rolfe**. March 29, 2000. Sustainability at a local level: Landowner Attitudes and the State of Agriculture. USDA Natural Resources Conservation Service Global Sustainability Conference, Springfield, IL.

McDermaid, K. and **D. Barnstable**. March 27, 2000. Assessing Social Issue in Watershed Planning. Environmental

Horizons 2000 Conference, University of Illinois.

Robinson, S.K., T.R, Van Deelen, and **M. Joselyn**. Dec. 7, 1999. Does landscape context mediate effects of forest fragmentation on breeding birds? 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Van Deelen, T.R., T.E. Gosselink, and **R.E. Warner**. Dec. 7, 1999. Coyote survival and the crop cycle in central Illinois. 61st Midwest Fish and Wildlife Conference, Chicago, IL.

Publications

Cloyd, R.A. 2000. Shoreflies are more than just a nuisance. Greenhouse Management and Production 20(3): 70-71.

Cloyd, R.A. 2000. Weed management. pp. 128-130. In Tips on Managing Floriculture Crop Problems: Pest, Diseases, and Growth Control. Ohio Floriculture Association Services, Inc., Columbus, OH. 132 pgs.

Cloyd, R.A. 2000. Insect and plant interactions in the landscape. In Proceedings of the 18th Annual Southern Illinois Grounds Maintenance School. Illinois Cooperative Extension Service, University of Illinois Extension.

Cloyd, R.A. 2000. Fungus gnats and shorefly management strategies: panel discussion, pp. 57-59. In Proceedings for the 16th Conference on Insect and Disease Management on Ornamentals. Society for American Florists, Alexandria, VA. 227 pgs.

Cloyd, R.A. 2000. Integrated Pest Management, pp. H3-H8. In Illinois Master Gardener Manual. University of Illinois Extension.

Cloyd, R.A. 2000. Biological control of thrips in conservatories and research/training greenhouses. Association of Education and Research Greenhouse Curators Newsletter 12(3): 2-3.

Cloyd, R.A., and **P.L. Nixon**. 2000. Managing insects and mites on woody ornamental plants, pp. 57-72. In Commercial Landscape and Turfgrass Pest Management Handbook. University of Illinois Extension. University of Illinois, Urbana-Champaign. 136 pgs.

Ebero, A., and **J. Vining**. 2000. Motives as predictors of the public's attitudes toward solid waste issues. Environmental Management 25: 153-168.

Gibson, J.L., B.E. Whipker, and **R.A. Cloyd**. 2000. Success with container production of twelve herb species. North Carolina Flower Growers' Bulletin 45(1): 1-9.

Gonzalez, A. and **C. Eastman**. 2000. Influence of intercropping and trap cropping on diamondback moth and its natural enemies. Illinois Natural History Survey Reports 361:

5.

Hamblin, A.M. and **D.G. White**. 2000. Inheritance of resistance to Aspergillus ear rot and aflatoxin production of corn from Tex6. Phytopathology 90: 292-296.

Maddox, J.V., W. M. Brooks, and **L.F. Solter**. 2000. Bioassays of Microsporidia. In "Bioassays of Entomopathogenic Microbes and Nematodes" [Navon, A. and Ascher, K.R.S. (Eds.)] CAB International, Wallingford, pp. 197-228.

Nameth, S. and **R. Cloyd**. 2000. Difficult to manage disease and insect problems, pp. 89-94. In Tips on Managing Floriculture Crop Problems: Pest, Diseases, and Growth Control. Ohio Floriculture Association Service, Inc., Columbus, OH. 132 pgs.

Schrock, D.S., M. Meyer, P. Ascher, and **M. Snyder**. 2000. Benefits and values of the Master Gardener program. Journal of Extension 38(1): http://joe.org/joe/2000february/rb2.html.

Xie, J., H.R. Hill, S.R. Winterstein, H. Campa III, R.V. Doepker, T.R. Van Deelen, and **J. Liu**. 1999. The white-tailed deer management options model (DeerMOM): design, quantification, and application. Ecological Modeling 124: 121-130.

Correction
Please note that the ACES Student Award Banquet is scheduled from 11 a.m.-2 p.m. on April 30 in Illini Rooms A and B. In the March issue of NRES News, we listed the wrong date. We regret the error.

Calendar

Apr. 20 Gamma Sigma Delta Initiation and Banquet; 5:30 p.m., Illini Union Ballroom

21 ACES Faculty Meeting, 3:00-5:00 p.m.; 150 Animal Sciences Laboratory; Program: Annual Business Meeting

24 Campus Instructional Awards Banquet 27 ACES and Paul A. Funk Recognition Awards Program; Reception: 5:30 p.m., Illini Union South Lounge; Dinner and Program: 6:30 p.m., Illini Union Rooms A-B-C

30 ACES Student Awards Banquet; 11:00 a.m.- 2:00 p.m., Illini Union Rooms A and B

May 3 ACES Retiree Reception; 3:00-5:00 p.m., Bevier Hall Cafeteria

4 NRES Spring Picnic; 4:30 p.m., Hort Field Research Center

10 Reception at The Morton Arboretum to celebrate the new off-campus M.S. degree program in NRES

11 NRES Faculty Advisory Meeting; 10:00 a.m., N-527 Turner Hall

12 NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall

14 Commencement Convocations; Undergraduate, 9:30 a.m., Krannert Center Great Hall; Graduate, 10:00 a.m., Smith Hall

29 Memorial Day

Credits

***NRES News* is published monthly by the Department of Natural Resources and Environmental Sciences**

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Number 12, May 2000
University of Illinois at Urbana-Champaign

Congratulations NRES Graduates!

Best wishes and congratulations to the May NRES graduates. On May 14, 2000, approximately 35 NRES seniors will receive their bachelors' degrees, 19 graduate students will accept their masters' degrees, and 6 other students will become brand new Ph.D.s. Best wishes to these outstanding students as they join the ranks of NRES alumni. We wish you well in all your future endeavors, and hope you'll drop us a line from time to time!

B.S. Grads
Michael Anderson
Julie Bachur
Laurel Barmore
Matthew Becker
Melanie Begole
Kara Boostrom
Jaret Brochmann
Craig Brouillette
Keri Brumfield
Kevin Colmbe
Susan Cooper
Colin Dent
Steven Flaherty
Amy Forehand
Emma Gazda
Allison Gordon
Lynnette Niebrugge
Adrienne Oryhon
Christyn Peterson
Rebecca Ralston
Cory Rolfe
Samuel Schmitz
Justin Short
Jill VanDyne
Ryan Welch
Kelly Wengronowitz
June Wilhite
Randall Wright

M.S. Grads
Karen Amisi
Lynn Anderson
Kelly Beckett
Amy Forbes
Catherine Hadley
Brian Herwig
Ryan Hultgren
Gregory Kennedy
Karen Kopetz
Lum Quenby
Robert Majchrzak
Jeffrey Olson
Robert Parker
Joy Scrogum
Karen Starks
Cory Suski
Trent Thomas
Montecinos Velarde
Cesar Velasquez

Ph. D. Grads
Dilpreet Bajwa
Vivek Damle
David Gardner
Cory Rubin
Jose Toledo
Gad Yousef

NRES Funk Award Winners

Four outstanding NRES faculty members were honored at the College of ACES 2000 Funk Awards Banquet on April 27. Congratulations to our colleagues:

- **Stephanie Brown**, director of the Illinois Forest Resource Center, ACES Professional Staff Award for Excellence, Innovation & Creativity
- **Mosbah Kushad**, associate professor of food crops

systems, ACES Faculty Award for Excellence in Extension
- **Bob Skirvin**, professor of horticulture, Paul A. Funk Award
- **Bill Sullivan**, associate professor of landscape design, ACES Faculty Award for Excellence in Teaching

Morton Arboretum Reception
NRES Department Head **Gary L. Rolfe**, along with NRES faculty and students, attended a Spring Reception at The Morton Arboretum to celebrate approval of the new off-campus Master's Degree program in NRES, with a focus on urban forestry. The event, which took place on May 10, was sponsored by the UI Office of Continuing Education Division of Academic Outreach, NRES, and The Morton Arboretum. The Morton Arboretum is located in Lisle, IL.

Correction
Please note that the *NRES News* April 2000 edition listed Dan Anderson as one of the faculty who was honored in the "Incomplete List of Teachers Ranked as Excellent by their Students, Spring 2000 (based on data collected fall 1999)". Although we are sure Dan is a great teacher, he was not teaching that semester. **C. Diane Anderson**, a T.A. for NRES 253 Woody Plants was the actual honoree. We regret the error and **Congratulations Diane!**

Front Page News

Honors and Kudos

Student News

Upcoming Events

Papers Presented

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Honors and Kudos

Skirvin Receives Teaching Award

Bob Skirvin, professor of horticulture, was chosen to receive a Teaching Fellow Award by the Teacher Recognition Committee of the National Association of Colleges and Teachers of Agriculture (NACTA). The honor is a top national award given in recognition of his teaching and student activities over the past 25 years. The award includes a trip to Delaware, where he will be presented with a plaque. Congratulations Bob!

Solter Selected For Editorial Staff

Lee Solter, adjunct professor and assistant professional scientist, was recently selected to serve as the assistant newsletter editor for the Society for Invertebrate Pathology. Congratulations, Lee!

Huck Co-Develops *OWSimu*

Morris G. Huck, adjunct professor, X. Pan, and J. D. Hesketh developed *OWSimu*, a convenient new tool for researchers, teachers and students to use in the study of plant growth. It is a Web-based facilitating communication and gives access to a wide variety of potential users. It can be shared over the Web while studying plant phenological events and growth of vegetative canopy in response to micro-environmental variables. *OWSimu* can be run on a user's client machine by using a Java (JDK1.1)-embedded Web browser and linking the website: http://th190-50.agn.uiuc.edu. Great work Morris!

Researchers Receive Grants

The Center for Economic Entomology at the Illinois Natural History Survey has announced that the following research grants have been awarded to NRES faculty and their colleagues:

A "Request for Short-term Funding for Horseradish Research in 2000," proposal submitted by **C. Eastman**, **A. Hamblin**, M. Babadoost, W. Chen, **M. Kushad**, **J. Masiunas**, and **R. Skirvin** received funding from the UI Agricultural Experiment Station, Illinois Natural History Survey, and the Horseradish Growers of Illinois.

P. Nixon, **C. Nixon**, and **M. Jeffords** received an IPM Mini Grant from the University of Illinois, Crop Sciences

Department, entitled, "Insect pest photo ID cards for homeowners and other residents".

Mom's Day Flower Show A Success
Congratulations to the Horticulture Club on another outstanding Mom's Day Flower Show and Sale. The theme for this year's event, held on April 8 and 9 at the Stock Pavilion, was "Gardens Through Time." Featured gardens included the Victorian Garden, the Fairyland Garden, the 21st Century Living Garden, the Garden of Eden, the Victory Garden, the Wonders of Medieval Europe, a Tranquility Garden, the Caveman Garden, a Settler Garden, and the Hanging Gardens of Babylon. There was also a cutflower garden featuring Greek/Roman, Oriental, European, American Colonial, and contemporary influences. The show was dedicated to Mr. Marshal D. McGlamery, a former UI professor who continues to support the Horticulture Club. **ACES Dean David L. Chicoine** commented, "Moms weekend was a little cool, but, the weather did not slow down the terrific Moms Day Hort Club Flower and Garden Show. Impressive creativity and great organizational and business leadership was demonstrated by the students. Hats off to the club's advisors also."

Holloway Volunteers in Malawi
Bob Holloway, NRES external advisory committee member, spent several weeks installing 350 shallow wells and also working in schools and hospitals on a trip to Malawi, Africa with the Marion Medical Mission. He and his wife, Alene, along with others, were unpaid volunteers who paid all their own expenses. Holloway, a farmer and agronomist, worked with the villagers to improve farming practices and taught them to build solar ovens. Deforestation is a real problem in the country because people use wood fires to cook, so Holloway first brought several solar ovens to Malawi, then commissioned a local tinsmith to craft similar ones. Profits from sale of the inexpensive stoves will benefit the local school. Because water is scarce in Malawi's dry season, Holloway showed the natives how to till the soil more deeply, so plants roots can go deeper for moisture, and to use simple drip-style irrigation units to ensure that every drop of water goes to the plant instead of evaporating. The "medical mission" is a nonprofit organization that shares its money, expertise, and simple human friendship to create better lives for those in one of Africa's poorest regions. In addition to wells, the group has helped build schools and churches and helps support a mission hospital at Embangweni, Malawi.

NRES Spring Picnic
NRES faculty, staff, emeriti, students, and their families

attended the NRES Spring Picnic, on Thursday, May 4. The picnic was held at the Landscape Horticulture Research Center on South Lincoln Avenue. Attendees celebrated the end of another successful semester with friends and colleagues. What a great picnic! A tip of the hat to Jim Lang and the members of the NRES social committee: Joyce Canaday, Andy Hamblin, Mosbah Kushad, Gil Mendoza, Carole Rebeiz, Jeremy Shafer, Tom Voigt.

University [illegible]
College of Agricultural [illegible]
Other Departments, Units, and Divisions within the College of ACES

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Front Page News

Honors and Kudos

Student News

Upcoming Events

Papers Presented

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Student News

NRES Students Receive Awards
NRES undergraduates, **Kyle Scoggin, Sheryll Clegg**, and **Dan Clegg**, will each receive an Orville Bently Award from the College of ACES for their research funded by the Jonathan Baldwin Turner undergraduate research program. Bob Skirvin, professor of horticulture, coordinated their research. One of the papers to receive an award was on the history of grape production in Illinois, and was co-authored by Sheryll and Dan. The Cleggs have both graduated and now live in Hawaii. Kyle received the award for his report on horseradish tissue culture research in Dr. Skirvin's lab. For complete references, see the "Publications" section. Each student received a cash award and a plaque at the student awards banquet on Sunday, April 30. Congratulations to Kyle, Sheryll, and Dan for their academic achievement!

Elizabeth Gault, NRES grad student, was awarded a $250 Master's Thesis/Project Research Grant from the Graduate College this May. Only 14 students from the entire university were selected to receive this grant. Congratulations, Elizabeth!

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Upcoming Events

Dynamic Modeling Workshop
The fifth summer ACES/NCSA Dynamic Modeling Workshop will be held on July 17-21. **Bruce Hannon**, NRES affiliate from the College of Liberal Arts and Sciences, will lead this hands-on workshop designed to teach participants the utility of dynamic modeling and simulation as research, teaching, and outreach tools. Participants will work in teams consisting of one faculty member and one student, and the teams will develop a model of a biological system of their choice using the modeling program STELLA. Enrollment is limited to 30 on-site participants and 30 distance-learning participants, and registration is on a first come, first serve basis. For more information, visit the workshop's website at http://web.aces.uiuc.edu/aim/model/.

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Papers Presented

Hamblin Travels With U.S.G.A.
Andy Hamblin, assistant professor, turfgrass genetics and breeding, traveled with the U.S. Golf Association in April to St. Louis and Omaha for their regional conferences. He gave a presentation entitled "The Art of Turfgrass Breeding in the 21st Century". The talk was well received by golf superintendents, managers, and professionals, as well as other researchers and representatives.

News From M.A.L. Smith
Mary Ann Lila Smith, associate department head and professor of plant physiology, presented a paper at the Wild Blueberry Association of North America meetings held March 22-26 on Prince Edward Island.

On April 6-8, she also hosted a visiting scientist from the CRC in Sydney, Australia.

On April 16-22, Smith was part of a 12-person team mostly from ACES on an Exploratory Education Exchange to Cuba. The group visited the Centro Biotechnology and Havana University, as well as various ministries and research institutes.

She will also attend the National Agricultural Biotechnology Council (NABC) meetings in Orlando, FL on May 10-13. The University of Illinois will host this group next year in Chicago with the theme of economics, ethics, and social perceptions of biotechnology.

Therevid PEET Team Returns From Workshop
The Therevid PEET team returned from a National Science Foundation sponsored PEET III workshop on "The Monographic Process". PI and trainees of the various PEET (Partnerships for Enhancing Expertise in Taxonomy) grants assembled for this 3-day conference and 2-day student workshop at the Smithsonian Institution in Washington, D.C. Nearly 2000 scientists and graduate students participated in the meetings, including **Mike Irwin**, professor of international entomology (PI), and Brian Wiegmann (co-PI, NC State); **Martin Hauser**, **Kevin Holston**, and **Mark Metz** (all UIUC grad students); Longlong Yang (NC State grad student), Shaun Winterton (Univ. or Queensland grad

student), Steve Gaimari (former UIUC PEETster, now post-doc at the Smithsonian), **Jill Mullet**, visiting research specialist in agriculture, **Gail Kampmeier**, senior research specialist in agriculture and **Don Webb**, associate professor.

Dawson Presents Seminar
Jeff Dawson, professor of tree physiology, presented a seminar entitled "From the Inca to Weyerhaeuser: Past and Present Uses of Nitrogen-Fixing Trees" at Eastern Illinois on April 14, 2000. The Department of Biological Sciences and the Visiting Scholars Program sponsored the seminar.

Schmidt Speaks at Meet and McHenry College
James C. Schmidt, extension specialist, home horticulture, was a speaker at the Illinois Association for Home and Community Education's annual meeting and at GardenFest 2000. GardenFest 2000 was held at McHenry College on April 8.

Cloyd, Wiedenmann Speak to ESA
Raymond Cloyd, assistant professor, ornamental entomology/Integrated Pest Management, recently attended a meeting of the North Central Branch of the Entomological Society of America. The meeting was held on March 26-29 in Minneapolis, MN. Cloyd gave a presentation at the meeting on the effects of plant architecture on biological control in ornamental systems.

Rob Wiedenmann, adjunct professor, biological control, also attended this meeting, and co-organized and co-chaired a symposium on exotic species. He presented a paper, "Invasion of Illinois Wetlands by Purple Loosestrife," and a poster, "Effect of Parasitism by Three Novel-Association Braconid Endoparasitoids (*Cotesia flavipes complex*) on the Hemolymph Proteins of Three Pyralid Stemborers (*Diatraea* spp. and *Ostrinia nubialis*)."

Roy Organizes Symposium
William Roy, associate professor of soil chemistry, was the co-organizer of a symposium called "An Interdisciplinary Look at Soils" that was held on April 7, 2000 at the North-Central Section meeting of the Geological Society of America in Indianapolis, Indiana. He worked with Robert D. Hall of the Department of Geology at Indiana University-Purdue University at Indianapolis. This symposium was designed to bring together people from different disciplines, but with soils as a common bond. There were 16 presentations that ranged from geologic maps, fate of contaminants in soil, paleopedology, weathering studies, and site remediation.

Roy also participated in a panel discussion on how to establish better links between investigators, and how to better educate geology majors at the undergraduate level to address soils as professionals.

Post Presents to Parkland
Susan Post, research specialist in agriculture, gave a presentation on March 30 to Parkland College's Life Long Learning Program. Her presentation discussed Illinois landscapes and their spring wildflowers.

Roy at IGC Conference
William Roy, associate professor of soil chemistry, gave a presentation, "Atrazine Dissipation in Unsaturated Soil Under Dry and Flood Conditions," at the Tenth Annual Conference of the Illinois Groundwater Consortium near Carbondale, Illinois on April 13, 2000.

Bouseman Gives Seminar
On April 10, **John Bouseman**, adjunct professor and associate professional scientist, taxonomy of insects, gave an invited seminar entitled "Overview of the Deer Tick in Illinois: at Vector Seminar 2000". McDonough County Health Department hosted the meeting. It was held at their offices in Macomb, Illinois.

Wiedenmann Gives Lectures
Rob Wiedenmann, adjunct professor, biological control, presented two lectures on "Biological Control in Home Gardens" to the St. Clair County Garden Exposition on March 18. He also presented a lecture on this topic to the Springfield Civic Garden Club on April 3.

On April 11, Wiedenmann lectured to the Parkland Biology 142 class on biological control and the biology of parasitoids. He also led a lab on the biology of parasitoids for this class.

Helm and Jeffords in CT
Charlie Helm, senior research specialist in agriculture, soybean insects, and **Mike Jeffords**, adjunct professor, insect behavior and ecology, traveled to the US Forest Service quarantine facilities in Ansonia, CT, and the USDA-APHIS Otis Methods Development Center at Otis Air National Guard Base (near Falmouth, MA) from March 21-24. Rearing operations for Asian longhorned beetle and gypsy moth were observed and the impending insecticide treatments for Asian longhorned beetle in Chicago were discussed. They also visited with Forest Service personnel at the Center for Forest Health Research in Hamden, CT and researchers at the CT Ag. Exp. Station in New Haven, CT, to discuss research and survey activities for Asian longhorned beetle, gypsy

moth, and the Japanese cedar longhorned beetle.

Mullett Works to Computerize Rendering Fly Eyes
Jill Mullett, visiting research specialist in agriculture, worked with George Venable, scientific illustrator on the computerized rendering of fly eyes on March 29.

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
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Front Page News

Honors and Kudos

Student News

Upcoming Events

Papers Presented

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

NRES Newsmakers

An article in the March 31 edition of the *Daily Journal* discussed the annual Ag Day presentation hosted by the *Daily Journal* and the Kankakee Rotary. The article featured **Gary L. Rolfe**, department head, and Chuck Widholm, a professor of plant physiology in the UI Department of Crop Sciences. Rolfe and Widholm were the featured speakers at the Ag Day presentation and participated in a debate on the safety of genetically modified organisms (GMOs). Widholm maintained that GMOs are self-evidently safe due to their widespread use throughout the country and the lack of reports of adverse effects. He also noted that GMOs undergo testing similar to those imposed on drugs in the U.S. While Rolfe agreed that US genetic science is top notch, he expressed his concern that GMOs may cause unforeseen consequences over time, and his belief that long-term studies are needed. "This is important science, and it's good science, but I'm concerned that we do not inadvertently cause some issues to come to the surface which cast doubt on the science," he stated.

The April 10 edition of the Champaign *News Gazette* featured an article on the fifth Eastern Illinois Forestry Conclave, hosted by the Vermillion County-County Conservation District and held at Forest Glen Preserve, east of Westville. Students from eight colleges competed in six events at the conclave, including the bolt (log) throw, speed chopping, log rolling, the bucksaw event, and the match split. The article quoted **Steve Tondini**, NRES network analyst and faculty advisor for the UI team, who stated that the event gives students the opportunity to compete and to meet with friends from other schools. The UI team finished sixth overall in team competition. The University of Illinois will host the Midwest Forestry Conclave on September 30 at Kennekuk County Park.

The Spring 2000 edition of *Mostly Garlic* featured two articles by **Charles E. Voigt**, research specialist in agriculture. One of his featured articles is *Enduring Asparagus*. Voigt says asparagus is one of the first vegetables ready to harvest in the spring. And he gives valuable solutions to common problems growers can encounter, like pesky asparagus beetles and various diseases. The second, *Scrumptious Sage*, explains the

plant itself, its history and its use. It even lists some interesting recipes. Voigt says sage is a versatile and useful plant, which can be utilized in an almost endless variety of ways. And says its; not just for poultry stuffing any more.

Once again **Schuyler Korban's** genetically engineered tomatoes have made headlines. Korban, professor of plant genetics, and Dennis Buetow, a UI professor of plant physiology, have been in the news recently for their work on engineering tomatoes to serve as a means of administering a vaccine against respiratory syncytial virus, or RSV. An article in the April 26, 2000 issue of the *Daily Illini* gave an overview of Korban's research and plans to study the response of mice to the tomatoes. The article featured quotes from Korban and mentioned his postdoctoral assistants, **Sergei Krasnyanski** of NRES, and Jagdeep Sandhu of Crop Sciences.

University of Illinois at Urbana-Champaign.
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Personals

Farewell to Lowell Gentry

Lowell Gentry, research specialist in agriculture, said good-bye to Illinois when he resigned from his NRES position on April 21. He and **Alison Cupples**, who married this past December in Urbana, are now living in Palo Alto, CA. Alison is currently working on her Ph.D. in environmental engineering at Stanford University, after receiving her M.S. degree in NRES under the direction of **Jerry Sims**, environmental microbiologist.

Lowell began his NRES career in November 1992, when he was hired by **Mark David** and **Dave Kovacic** to manage the project entitled "Effectiveness of Constructed Wetlands in Removing Non-point Source Pollution from Agricultural Tile Drainage". Lowell reports that the project generated at least 10 papers. That project is completed, and two final papers will soon be published (see "Publications" section for citations).

Prior to joining NRES, Lowell received his MS in agronomy from the U of I and worked with Fred Below, crop sciences, from 1985-1992. He is a Polo, IL native who was well known in the Twin Cities as lead singer and manager of the group, The Naked Apes, which disbanded (no pun intended) upon Lowell's departure. Lowell says, "Friends and colleagues can either reach us at lowellgentry@email.msn.com or find me on the Stanford Golf Course." Best of luck to Lowell and Alison in California. Rock on, dude!

Condolences

NRES expresses its sympathy to the family of Sally M. Grunau, wife of John Grunau, former U of I professor of horticulture. Mrs. Grunau passed away April 13, 2000 from lung cancer at the home of her son, Justin Grunau, in Somerville, Massachusetts.

Front Page News

Honors and Kudos

Student News

Upcoming Events

Papers Presented

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Conference Presentations

Cloyd R. A. March 30, 2000. Master Gardener: Entomology: What's Bugging You. Jefferson County Extension Unit, Mount Vernon, IL.

Cloyd R. A. March 27, 2000. Effects of Plant Architecture on Biological Control in Ornamental Systems. North Central Branch Entomological Society of America. Minneapolis, MN.

Cloyd R. A. March 21, 2000. Orchid Pest Management. Central Illinois Orchid Society. Urbana, IL.

Cloyd R. A. March 15, 2000. Don't Let "Bug" Bug You: Managing Insects in the Yard and Garden. Chicago Flower and Garden Show. Navy Pier, Chicago, IL.

Cloyd R. A. March 8, 2000. Master Gardener: Entomology: What's Bugging You. Effingham Extension Center.

Cloyd R. A. March 1, 2000. Insect and Plant Interactions in the Landscape. Southern Illinois Grounds Maintenance School. Collinsville, IL.

Cloyd R. A. February 29, 2000. Master Gardener: Insect Pests and Their Control. Champaign County Extension Unit. Champaign, IL.

Cloyd R. A. February 19, 2000. Fungus Gnats and Shorefly Management Strategies. Society of American Florists Insect and Disease Management on Ornamentals. San Jose, CA.

Cloyd R. A. February 12, 2000. Holistic Pest Management. 12th Annual Midwestern Herb Show. Mount Vernon, IL.

Cloyd R. A. February 10, 2000. Safety Considerations for the Interiorscape. Interior Plantscape Workshop. Chicago, IL.

Cloyd R. A. February 10, 2000. Integrated Pest Management for the Interiorscape: Fungus Gnats, Mealybugs, and Scales. Interior Plantscape Workshop. Chicago, IL.

Cloyd R. A. February 2, 2000. Resistance Management for Greenhouse Growers: Theory and Practice. Western Region: Spring Primer for Bedding Plant Growers. Monroeville, PA.

Cloyd R. A. February 2, 2000. Tried, True, and New Pest Control Products for Greenhouses. Western Region: Spring Primer for Bedding Plant Growers. Monroeville, PA.

Cloyd R. A. February 1, 2000. Integrated Pest Management for the Interiorscape: Fungus Gnats, Mealybugs, and Scales Interior Plantscape Workshop. Columbus, OH.

Cloyd R. A. January 25, 2000. Master Gardener: Entomology. Hancock County Extension Unit. Carthage, IL.

Cloyd R. A. January, 14, 2000. Developments in Pest Management in Greenhouses. Mid-American Growers. Granville, IL.

Levine, E., J.L. Spencer, **S.A. Isard**, E.A. Adee, A.H. Anderson, R.A. Hines, L.E. Paul, and G.A. Raines. March 26-29, 2000. Resistance to Crop Rotation Affects Seasonal Abundance of Western Corn Rootworms in Corn and Soybean Fields: a Comparison of Five Illinois Sites. Poster presentation. 55th Annual Meeting, North Central Branch of the Entomological Society of America. Minneapolis, MN.

Mabry, T.R., J.A. Inman, J.L. Spencer, **S.A. Isard**, and **E. Levine**. March 26-29, 2000. Running on empty: Influence of Hunger on Adult Western Corn Rootworm Activity. Poster presentation. 55th Annual Meeting, North Central Branch of the Entomological Society of America. Minneapolis, MN.

Spencer, J.L., T.R. Mabry, **S.A. Isard**, and **E. Levine**. March 26-29, 2000. Diet Affects Western Corn Rootworm Vigor and Movement. Poster presentation. 55th Annual Meeting, North Central Branch of the Entomological Society of America. Minneapolis, MN.

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

nres@uiuc.edu The NRES Logo

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Publications

Cloyd R. A. March/April 2000. Plant stress—its relationship to arthropod pests in urban landscapes. Illinois Natural History Reports **362**: 4.

Cloyd R. A. and H.A.J. Hoitnik. March. 2000. Up-date on disease suppressive potting mixes. Grower Talks **63 (12)**: 104.

Cloyd R. A. and C.S. Sadof. 2000. Effects of spinosad and acephate on western flower thrips inside and outside a greenhouse. HortTechnology **10(2)**: 359-362.

Hanafy, M. Fouly and **H.T Wilkinson**. 2000 A group I intron in the nuclear small subunit ribosomal DNA of Gaeumannomyces graminis. Current Microbiology **40**:291-296.

Kovacic, D.A., **M.B. David**, **L.E. Gentry**, **K.M. Starks**, and **R.A. Cooke**. 2000. Effectiveness of constructed wetlands in reducing N and P export from agricultural tile drainage. Journal of Environmental Quality (in press due out in August).

Larson, A.C., **L.E. Gentry**, **MB David**, **R.A. Cooke**, and **DA Kovacic** 2000. The role of seepage in constructed wetlands receiving agricultural tile drainage. Ecological Engineering (in press due out in May).

Maddox, J.V. and **L.F. Solter**. Final technical report to PIs Novotny, J. and McManus, M.L. The use of microsporidia for biological control of the gypsy moth. 1996-2000. U.S.-Slovak Scientific and Technological Program.

Nixon, P. and **R. Cloyd**. 2000. Japanese beetle management on ornamentals. *In:* Proceedings of the 18th Annual Southern Illinois Grounds Maintenance School. Illinois Cooperative Extension Service, University of Illinois Extension.

Pan, X., J.D. Hesketh, and **M.G. Huck**. 2000. OWSimu: An object-oriented and web-based simulator for plant growth. Agricultural Systems **63**: 33-47.

Skirvin, R.M., **M.A. Norton**, **A. Hamblin**, **K. Scoggin**,

and **M. Uchanski**. 2000. Horseradish tissue culture. Horseradish Research Review & Proceedings from the Horseradish Growers School, January 27, 2000, pp. 26-27.

Skirvin, R.M., A.G. Otterbacher, D. Clegg, S. Clegg, and I. Dami. 2000. History of grape and wine production in Illinois since 1893. Proceedings of the 2000 Illinois Small Fruit and Strawberry Schools. University of Illinois NRES Series **2**: 1-9.

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Wente, S.P. 2000. Proximity-based measure of the land use impacts to aquatic ecosystem integrity. Environmental Toxicology and Chemistry Vol. 19, No. 4 (2), pp. 1148-1152.

Wiedenmann, R.N., CS Sadof, and R.J. O'Neill. 2000. Environmentally friendly gardening. INHS Reports (non-refereed) **362**: 5-6.

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Calendar

May 14	Commencement
May 15	Summer Session Term 1 Begins
June 9	Summer Session Term 1 Ends
June 12	Summer Session Term 2 Begins
July 10	Summer Session Term 2 Second Half Begins
August 3	Summer Session Term 2 Ends
August 3	U of I Turf and Landscape Field Day
August 23	Fall Semester Begins
November 28-30	NCTE Conference and Expo.

Have a safe and happy summer!

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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The NRES Logo

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News

Honors and Kudos

Reminders/ Student News

Upcoming Events

Papers Presented/ Meetings Attended

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Number 13, September 2000
University of Illinois at Urbana-Champaign

Aloha

Welcome back! As the fall semester begins, the NRES family welcomes new faces and says farewell to old friends. On August 20, 2000, the NRES Aloha Picnic was held at the Lake House in Crystal Lake Park from 4-7 p.m. NRES faculty, staff, affiliates, retirees, and their families gathered together to celebrate the beginning of another academic year and to say "Aloha" to old and new faculty members. Faculty who have moved on include **Stephanie Brown, Mike Cole, Nick Smith-Sebasto,** and **Jennifer Tank**. New faculty members include **Janice Coons, Ken Salo,** and **Pat Weatherhead**. Janice is a visiting associate professor and is located in 1025 Plant Sciences Lab. Ken is an assistant professor of environmental policy, and is located in 1009 Plant Sciences Lab. Pat is a professor of behavioral ecology and is located in S-516 Turner Hall. Drop by the offices of our new friends and wish them well!

Front Page News

Honors and Kudos

Reminders/ Student News

Upcoming Events

Papers Presented/ Meetings Attended

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Honors and Kudos

Andreses Recognized For Military Service
On June 1, 2000, Secretary of Defense William Cohen presented a Certificate of Recognition to **Lieutenant Colonel John Andresen**, emeritus professor of urban forestry, for his Cold War Services from September 2, 1945 to December 26, 1991. Andresen served in World War II, the Korean War, and volunteered as a pilot in the Vietnam War. For the past 58 years, his Air Force career has involved military active, reserve and consulting capacities all concerning armed forces urban forestry. Congratulations, John, on this honor, and thank you for your years of service to our country!

New Associate Dept. Head
Gary L. Rolfe, head of the Department of Natural Resources and Environmental Sciences, has announced that **Donald Briskin**, professor of plant physiology, will serve as Associate Department Head, effective August 21, 2000. Briskin will reportedly be focusing on off-campus programs, long-range planning and development in the Chicago area, and mentoring other faculty members through their promotion processes. Congratulations, Don, on your new role in NRES!

Promotions
Congratulations to **Dick Warner**, formerly an associate professor of natural resource ecology, who was promoted to the rank of professor, and to **Richard Weinzierl**, who was promoted to professor of fruit, vegetable and livestock insects. Congratulations also to **Michelle Wander**, who was promoted from assistant professor to associate professor of soil fertility and ecology, and **Glen Hartman**, who was also promoted from assistant professor to associate professor.

NACTA Honors Skirvin
Congratulations to **Bob Skirvin**, professor of horticulture, who was named "NACTA Teaching Fellow" at the annual meeting of the National Association of Colleges and Teachers of Agriculture in Doylestown, PA. This honor was national in scope and was awarded competitively.

Darmody Receives Grant
Robert Darmody, associate professor of pedology, and

Colin Thorn, head of the Department of Geography, received a grant from the National Science Foundation for their proposal entitled, "Collaborative research: using chemical weathering and pedogenesis in Kärkevagge, Northern Sweden to investigate local landscape development in a regional context." The grant will supplement an existing NSF grant that they hold.

GEMS Ceremony

Jill Marie Mullett, scientific illustrator and graduate student, **Mark Metz**, graduate student, and **Gail Kampmeier**, senior research specialist in agriculture, plant virus epidemiology, attended the GEMS (Girls in Engineering, Math, and Sciences) recognition ceremony at Edison Middle School on May 17. Their mentees spoke on stage of their experiences in the scientific illustration program and received certificates. The girls, from Franklin and Urbana Middle Schools, also created a poster describing their project. See http://www.inhs.uiuc.edu/cee/therevid/GEMS.html. The mentors also received certificates of appreciation for their participation in the GEMS program.

Front Page News
Honors and Kudos
Reminders/ Student News
Upcoming Events
Papers Presented/ Meetings Attended
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Reminders

Revised Holidays For '00-'01
The holidays for fiscal year 2000-01 will be observed as follows:

Monday, Sept. 4, 2000	Labor Day
Thursday, Nov. 23, 2000	Thanksgiving Day
Friday, Nov. 24, 2000	Day After Thanksgiving (Designated Holiday)
Monday, Dec. 25, 2000	Christmas Day
Tuesday, Dec. 26, 2000	Designated Holiday
Monday, Jan. 1, 2001	New Year's Day
Monday, Jan. 15, 2001	Martin Luther King Day
Monday, May 28, 2001	Memorial Day

The traditional spring break holiday and a designated holiday (formerly December 29) are being converted to floating holidays that can be taken by staff anytime during this fiscal year. However, the scheduling of these two holidays is subject to departmental approval. Because many university activities must continue throughout the holiday period, some employees may be required to work on days designated as holidays in order to provide necessary services as determined by their supervisors.

Mileage Reimbursement
Effective July 1, 2000, the mileage reimbursement has increased from 31 cents per mile to 32.5 cents per mile.

Student News

Therevid Researchers Travel
Kevin Holston, an M.S. student working with **Mike Irwin**, professor of international entomology, traveled to Spain (May 24-29) and Greece (May 30-June 17). He observed his first live European Thereva in the field in

Spain, and collected 3 species of Thereva with Malaise traps or by hand netting. See http://www.inhs.uiuc.edu/cee/therevid/2000KCH_1.html. **Martin Hauser**, a Ph.D. student working with Mike Irwin, went to Tunisia to collect therevids for two weeks, June 5-19, with German colleagues. See http://www.inhs.uiuc.edu/cee/therevid/tunisia_1.html for a travelogue of the trip.

New Faces

William Roy, associate professor of soil chemistry, reports that **Lo Stuart Tsui** has begun working on a Ph.D. in his lab. Stuart can be reached at lotsui@students.uiuc.edu. **Yichun "Amy" Chen** has joined the lab of **Ed Zaborski**, adjunct professor, soil invertebrate ecologist, and NRES affiliate. Amy will be working on her Ph.D. in soil invertebrate ecology. **Schuyler Korban**, professor of plant genetics, reports that **Joann Lau** has joined his lab as a Ph.D. student in molecular biology, having come from Bellarmine College in Kentucky. Also joining the labs of Dr. Korban and **Don Briskin**, professor of plant physiology, is **Ashraf Shehata**. Ashraf has come from the University of Alexandria in Egypt, and will also be pursuing a Ph.D. here at the U of I. Welcome to these new students!

Allerton Naturalists

The Allerton Naturalists held their first meeting of the semester on September 12. Last semester, this group of mostly graduate students studying various aspects of ecology led a successful series of environmental education programs at Allerton Park. The programs are held on the weekends and are meant for the entire family. Anyone interested in more information about this semester's programs, or in leading an educational program, should contact Kim Bauer at ka-bauer@uiuc.edu or Mosheh Wolf at mh-wolf@uiuc.edu.

Front Page News

Honors and Kudos

Reminders/ Student News

Upcoming Events

Papers Presented/ Meetings Attended

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Upcoming Events

IWIN Classes Offered
The Illinois Wilds Institute for Nature, an outreach program created by the Illinois Natural History Survey and NRES, is offering two new classes this fall:

Natural History Illustration I: Beginning to Picture Nature is planned on Wednesdays over the lunch hour beginning Sept. 6 through Oct. 11. Participation is limited to 20. Course fee is $40 and includes all course materials and drawing supplies. The course will be taught by **Carie Nixon**, INHS, and **Jill Mullett**, NRES.

Photographing Nature: The Natural History of the Cache River Wetlands is planned for Oct. 27-29 in Ullin, IL. Registration deadline is Oct. 15. Course fee is $125 and includes all course materials, dinner on Saturday night and two box lunches. Room arrangements can be made through the IWIN Institute ($22/night for double occupancy, $44/night for single). The course will be taught by **Dr. Michael R. Jeffords**, INHS, **Susan Post**, NRES, and Cache River Wetlands and Cypress Creek National Wildlife Refuge Staff.

For more information, or to register for these courses, contact Susan Post, registrar, at (217) 493-9959, (217) 333-6659 (voicemail), or email at spost@mail.inhs.uiuc.edu.

Front Page News
Honors and Kudos
Reminders/ Student News
Upcoming Events
Papers Presented/ Meetings Attended
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Papers Presented

IL Master Gardener Conference

Monica David, research specialist in agriculture and extension assistant, and **Denny Schrock**, extension specialist, report that over 300 people registered for the Illinois Master Gardener Conference in Peoria, IL, August 23-25. Jim Wilson, former host of "Victory Garden South" and current spokesperson for the national Plant a Row for the Hungry program gave the keynote presentation, on landscaping with native trees. In addition, numerous classes, workshops and tours were offered during the 3-day event. Forty-eight Master Gardeners received State Outstanding Master Gardener Awards, and 15 were recognized for Sustained Excellence to the Master Gardener program. Denny Schrock also gave a presentation on "Low-Water Use Landscaping."

Greenhouse Management Workshop

Raymond Cloyd, assistant professor of ornamental entomology and Integrated Pest Management, reports that the Second Annual Greenhouse Management Workshop held on June 20, 2000 at the Holiday Inn, Naperville, IL was an overall success. The workshop was attended by approximately 111 individuals including greenhouse managers, conservatory curators, extension agents, nursery operators, botanical garden/arboretum employees, community college educators, park district employees, and aquarium personnel. The one-day workshop included presentations on disease identification and management, tips to keep plants nutritionally healthy, how to automate your pesticide record-keeping, an up-date on new pest control materials, and guidelines to implement a biological control program in the greenhouse. In addition, there was a small trade show.

Cloyd Attends Conferences

Raymond Cloyd, assistant professor of ornamental entomology and Integrated Pest Management, recently attended a symposium in South Carolina and a workshop in New York. The Thiamethoxam Research Symposium was held from May 10-12, 2000 on Daufuskie Island, SC. The Turfgrass Entomology 2000 Workshop was held April 2-4, 2000 at the New York State Agricultural Experiment Station in Geneva, NY.

NRES at the ISSRM
The 8th International Symposium on Society and Resource Management was held June 17-22 at Western Washington University in Bellingham, Washington. The event was co-sponsored by the University of Illinois Departments of Natural Resources and Environmental Sciences and Leisure Studies. Several faculty, staff, and students from the U of I attended and presented their research. Participants from NRES included **Joanne Vining**, associate professor of environmental psychology, **Joy Scrogum** and **Sergio Cristancho**, graduate students, **Eeva Karjalainen**, of the Finnish Forest Research Institute, who was a visiting scholar with NRES last spring, and **Cary McDonald**, associate professor of recreation and resource management. **Craig Miller**, of the INHS Center for Wildlife Ecology was in attendance to present a paper, as was Russ Parsons of the U of I Departments of Landscape Architecture and Psychology.

Darmody Speaks in Ireland
Robert Darmody, associate professor of pedology, attended the "Weathering 2000" conference at Queen's University in Belfast Northern Ireland June 26 to July 5, 2000. He presented two papers on his work in the Arctic: "The poisonous rocks of Kärkevagge" (this paper is on display outside N409 Turner Hall) and "The chemical weathering regime of Kärkevagge, arctic-alpine Sweden."

Alario in Peoria
Maggie Alario, assistant professor of environmental sociology, was an invited participant in an Ecosystem Management Workshop held by the Illinois Department of Natural Resources. The workshop took place on July 12-14, 2000 in Peoria, Illinois.

ASHS Meetings
Daniel Warnock, assistant professor of production floriculture, recently attended the American Society of Horticultural Sciences Meetings in Orlando, FL, on July 22-26. **Bejie Herrin**, an M.S. student working with Dr. Warnock, was also in attendance, and presented a paper, entitled "Resistance in Impatiens wallerana to Western Flower Thrips [Frankliniella occidentalis (Pergande)] Feeding Damage."

Warnock Presents Seminars
Daniel Warnock, assistant professor of production floriculture, presented a seminar at the Illinois Greenhouse Growers IPM Workshop on June 21, 2000 in Naperville, Illinois. The seminar was entitled "Tips to keep plants nutritionally healthy." Warnock also

presented an educational seminar on commercial forcing of flowering bulbs to 37 teachers of the Illinois Association of Vocational Agriculture on August 10th.

Kampmeier Presents to ESA
Gail Kampmeier, senior research specialist in agriculture and plant virus epidemiology, attended part of the summer Governing Board meeting of the Entomological Society of America at ESA headquarters in Lanham, MD on June 9-10. She presented the report of the Standing Committee on Membership, for which she is chair, along with the ESA Membership Coordinator, Susan Kuper.

Invasive Species Tour
An Invasive Species Tour of the Chicago area was held July 31-August 1 for Richard Rominger, Deputy Secretary of Agriculture. The tour included stops to see and hear about Asian longhorned beetle, gypsy moth, purple loosestrife, garlic mustard, round goby, zebra mussel, and the impacts of invasive species on the restoration efforts at the Calumet Ecoregion and Midewin National Tallgrass Prairie. Over 50 attendees and presenters participated, including the Deputy Secretary, and 9 congressional staff, Office of Management and Budget, USDA-ARS, USDA-APHIS, USDA Forest Service, US Fish and Wildlife Service, US Army Corps of Engineers, Illinois Natural History Survey, Illinois Department of Natural Resources, Illinois Department of Agriculture, Governor Ryan's Washington office, Chicago Department of Environment, Chicago Department of Streets and Sanitation, Cook County Forest Preserve, Notre Dame University and the Calumet Port Authority. In addition to looking and listening, attendees released biological control agents against purple loosestrife, and went fishing for round gobies. The tour was organized by **Rob Wiedenmann**, INHS, NRES affiliate and adjunct professor of biological control, and Susan Solarz, special assistant to the Deputy Secretary. Other NRES participants included **Brenda Molano-Flores**, **Dave Voegtlin**, and **Charlie Helm**.

Wiedenmann at Weed Workshop
Rob Wiedenmann, INHS, NRES affiliate and adjunct professor of biological control, participated as an invited "customer" representing state and university scientists at the USDA-ARS Weed Science Workshop, July 11-13 in Dulles, VA. The meeting was to gather input from customers to assist in planning the direction that ARS Weed Science programs will move in the future.

Wiedenmann on Grant Panel
Rob Wiedenmann, INHS, NRES affiliate and adjunct

professor of biological control, served as manager for the recent USDA-CSREES-IFAFS Invasive Species Grants Program. The grants panel met July 16-20 in Washington, DC, and recommended funding for approximately $5.5 million in invasive species grants.

Jeffords and Post in AZ and IL
Michael Jeffords, NRES affiliate and adjunct professor of insect behavior and ecology, and **Susan Post**, research specialist in agriculture, insect vectors of plant pathogens, attended the Invertebrates in Captivity Conference at Rio Rico, AZ from July 31-Aug 7. The conference was a gathering of organizations that use captive invertebrates for display and educational purposes. Michael and Susan led a workshop/field trip to Madera Canyon centered on nature photography and the ecology of the region. They also served as MCs for the banquet.

Michael and Susan were also featured instructors for the Illinois ENTICE (Environment and Nature Training Institute for Conservation Education) Workshops (IDNR) held at Wildlife Prairie Park near Peoria during July. They presented the opening program and conducted an activity on the Illinois landscape. The four 3-day long workshops were for middle and elementary school teachers, and presented an overview of Illinois biodiversity.

Biodiversity Education Conference
Michael Jeffords, NRES affiliate and adjunct professor of insect behavior and ecology was an invited participant and guest of the Disney Institute (Orlando) and World Wildlife Fund for a 5-day conference entitled "The National Biodiversity Education Leadership Institute." The gathering brought together 5-member teams from six regions across the country and one international team to discuss biodiversity education initiatives and to formulate an action plan for their region. Michael was part of the Chicago Field Museum team that focused on the Illinois UrbanWatch program.

UI/Moscow State Collaboration
For three weeks in June, **Ken Olson**, professor of pedology and soil conservation, and **>Robert Jones**, professor of soil mineralogy and ecology, hosted Associate Dean Alexander Gennadiyev from the Faculty of Geography at Moscow State University in Russia. Their two-year collaborative soil formation and erosion rate study was funded as part of the NATO Environmental Security Linkage grant between MSU and U of I. Laboratory results from soil samples previously collected from Southern Illinois and near Moscow, Russia in the

summer of 1999 were interpreted, and a final report was prepared and submitted to NATO.

In Vitro Meetings

Schuyler Korban, professor of plant genetics, and **Sergei Krasnyanski**, research associate, traveled to San Diego recently to attend the In Vitro Meetings and present poster papers.

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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The NRES Logo

Front Page News
Honors and Kudos
Reminders/ Student News
Upcoming Events
Papers Presented/ Meetings Attended
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

NRES Newsmakers

Mary Ann Lila Smith, associate department head and professor of plant physiology, was featured in an article by Steve La Rue in the June 28, 2000 edition of the *San Diego Union Tribune*. The article described the research done by Smith and her colleagues (the "brain-berry research team") on the potential health benefits of wild blueberries, which she discussed at a recent meeting of the Congress on In Vitro Biology in San Diego. So far they have discovered that certain chemicals found in wild blueberries called polyphenolics seem to work as antioxidants, immobilizing unstable chemicals in the blood stream (oxidants) which cause damage to membranes and other tissues. Polyphenolics also seem to improve circulation, help reduce the risk of heart disease, and inhibit enzymes associated with the development of certain forms of cancer.

Christopher Phillips, affiliate associate professor of animal biology and animal science, was featured on WILL radio's Focus 580 on July 12, 2000. The topic was his new book, *Field Guide to the Amphibians and Reptiles of Illinois*. The book, which provides full-color photographs, common and scientific names, and detailed descriptions of each species' habitat and characteristics, was co-authored by Ronald Brandon, professor emeritus at Southern Illinois University, and Edward Moll, professor emeritus at Eastern Illinois University.

In honor of the NSF's 50th anniversary, the Association of Systematics Collections has sponsored a gallery of NSF funded projects (http://www.ascoll.org/nsfwebgallery/index.htm). Four of the featured projects are from the Illinois Natural History Survey (see http://www.ascoll.org/nsfwebgallery/Inhs/index.htm) including the therevid PEET (Partnerships for Enhancing Expertise in Taxonomy) project (http://www.ascoll.org/nsfwebgallery/Inhs/finaldiperta.htm). Several faculty, staff, and graduate students from the University of Illinois participate in the therevid PEET project, including **Mike Irwin, Gail Kampmeier, Don Webb, Martin Hauser, Kevin Holston,** and **Mark Metz**. The projects have one-page summaries with links to web sites for the projects. The therevid PEET summary includes the main home page, links to

participants in the research, and Mandala, a database for cataloging specimens, nomenclature, and literature.

A recent article by Lisa Sheppard in ACES News online on new developments in biotechnology featured the research of **Jack Juvik**, professor of plant genetics. Juvik's research involves studying genes that regulate the production of anti-cancer compounds in broccoli and other vegetables, with the goal of increasing the health benefits of foods. In the article Juvik expresses his belief that within the next two decades, fresh produce will provide consumers with more of the beneficial compounds they currently seek through nutritional supplements.

In a July 20, 2000 article by Lisa Sheppard in *ACES News* online, **Donald Briskin**, professor of plant physiology, discussed the potential of St. John's Wort as an alternative crop for Illinois farmers. This popular dietary supplement is used to treat mild to moderate depression and is mostly grown in third world countries, despite its abundance in the U.S. Briskin is studying the environmental conditions that increase the plant's desired medicinal effects and the most effective post-harvest processing methods. Because it does well in marginal conditions, Briskin believes St. John's Wort could allow farmers to gain income from land which is normally economically unproductive.

Schuyler Korban, professor of plant genetics, was interviewed by Rita Braver on his work in biotechnology as part of a program on genetically modified crops. This segment aired on CBS Sunday This Morning on July 9. The research of Korban and his collaborators on the RSV edible vaccine in tomatoes continues to receive attention by various print and electronic media. This work has been recently featured in *Web/MD, RedCross.org, Pharm Sci Tech Today, The London Sunday Times,* and *Genetic Technology Alert*, among others.

The cover photo on the current issue of the *Soil Science Society of America* is one taken by **Richard Darmody**, associate professor of pedology, at a research site in the arctic region of Sweden. See the Publications section of this newsletter for the reference for his article that appears in this journal.

NRES Ph.D. graduate student **Paul Strode** hosts the *Environmental Moment* that airs weekdays on WEFT at 8:30. Paul presents a 3 minute discussion of current environmental topics, speaking not only about the issues, but the science behind them as well. Tune in and listen!

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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Personals

Condolences

NRES expresses condolences to the family of **Steve Kohls**, NRES graduate student, who passed away on August 23 of an apparent heart attack while moving to his new home. Steve was a Ph.D. student working with Jeff Dawson. He came to the U of I in 1995 after having earned an M.S. from the University of Minnesota. His wife, Carolyn Kohls Curti, is the assistant to the associate chancellor of public affairs here at the U of I. Services were held on Monday, August 28th.

Get Well Soon

Anita Povich, communications and development specialist and editor of NRES News, recently underwent surgery to remove bone spurs from one of her cervical vertebrae. The surgery went well, and Anita is home recovering. Everyone at NRES News would like to say get well soon, Anita! We miss you!

Thanks

Judy Allen-Davis would like to thank the NRES faculty and staff who attended her "farewell" lunch for their send-off and for the gift she received. She reports she likes her new job!

Anita Povich would also like to thank everyone who has sent her cards or wishes for a speedy recovery.

Front Page News
Honors and Kudos
Reminders/ Student News
Upcoming Events
Papers Presented/ Meetings Attended
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Conference Presentations

Alario, M. and Freundenber, W. August 12-16, 2000. The Paradoxes of Modernity: Scientific Advances, Environmental Problems and Risks to the Social Fabric. American Sociological Association, 95th meeting, Washington, D.C., Section on Environment and Technology.

Campbell, S.W., J.C. Dixon, C.E. Thorn, and **R.G. Darmody**. 2000. Spatial variability of early season denudation rates in Kärkevagge, Swedish Lapland. Abstracts of the Association of American Geographers 96th Annual Meeting. 4?8 April 2000, Pittsburgh, PA. p.105.

Cloyd, R.A. June 20, 2000. Up-Date on Pest Control Materials. Second Annual Greenhouse Management Workshop, Naperville, IL.

Cloyd, R.A. June 20, 2000. Guidelines to Implement a Biological Control Program in the Greenhouse.. Second Annual Greenhouse Management Workshop, Naperville, IL.

Cloyd, R.A. July 8, 2000. Pest Control Solutions-Mealybug and Scale. Ohio Florists' Association Short Course, Columbus, OH.

Cloyd, R.A. July 8, 2000. Poinsettias: Disease and Insect Management. Ohio Florists' Association Short Course, Columbus, OH.

Cloyd, R.A. July 11, 2000. Total Thrips Management. Ohio Florists' Association Short Course, Columbus, OH.

Cristancho, S. 2000. The Cross-Cultural Issue in Policy-Making and Management Strategies Involving Symbolic Plant Species in the Amazon Natives' Territories. 8th Interntational Symposium on Society and Resource Management, Western Washington University, Bellingham, WA.

Dixon, J.C., C.E. Thorn, and **R.G. Darmody**. 2000. Variability in surficial weathering rates of fine pebbles by vegetation cover type, Kärkevagge, Swedish Lapland.

School of Geography, Queen's University, Belfast N. Ireland. Weathering 2000 Abstracts: 54-55.

Hwang, Y., H. Ying, and **C. McDonald**. 2000. Local Residents' Attitudes on Tourism and Development: A Case Study of Changbaishan Nature Reserve, Peoples Republic of China. 8th Interntational Symposium on Society and Resource Management, Western Washington University, Bellingham, WA.

Miller, C. and R.G. Wright. 2000. Using Transportation Systems for Wilderness Protection: The Example from Denali National Park and Preserve. 8th Interntational Symposium on Society and Resource Management, Western Washington University, Bellingham, WA.

Schrock, D. June 28-30, 2000. Landscaping is for the Birds (and Butterflies). Tri-State Master Gardener Conference, West Lafayette, IN.

Vining, J. and **J.J. Scrogum.** 2000. Animals in Human Lives: Analyses of Four Text Sources. 8th Interntational Symposium on Society and Resource Management, Western Washington University, Bellingham, WA.

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Cloyd, R.A. June 2000. Plant stress favors pests in urban landscapes. Grounds Maintenance 35(6): 54-56.

Cloyd, R.A. July 2000. New, future pest controls. Greenhouse Management & Production 20(7): 100-101.

Cloyd, R.A. and R. Lindquist. June/July 2000. Resistance management: theory and practice. Ohio Florists' Association Bulletin 847: 14-16.

Cloyd, R.A. and C.S. Sadof. 2000. Effects of plant architecture on the attack rate of Leptomastix dactylopii (Hymenoptera: Encyrtidae), a parasitoid of the citrus mealybug (Homoptera: Pseudococcidae). Environ. Entomol. 29(3): 535-541.

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Ebero, A. and **J. Vining**. 2000. Attitudes and beliefs about volume-based pricing: A four city comparison. Journal of Environmental Systems 28: 1-24.

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Solter, L.F. and J.J. Bencel. 2000. Entomopathogenic microsporidia. In "Field Manual of Techniques for the Evaluation of Entomopathogens," L. Lacey and H. Kaya, eds. Kluwer Academic Publishers.

Walk, J.W., E.L. Kershner, and **R.E. Warner.** 2000. Nocturnal singing in grassland birds. The Wilson Bulletin 112(2): 289-292.

Walk, J.W. and **R.E. Warner.** 2000. Grassland management for the conservation of songbirds in the Midwestern U.S.A. Biological Conservation 94: 165-172.

Warnock, D. 2000. The picture on digital cameras is enlarging. Southeastern Floriculture 10: 18-20.

Yang, L., B.M. Wiegmann, D.K. Yeates, and **M.E. Irwin.** 2000. Higher-level phylogeny of the Therevidae (Diptera: Insecta) based on 28S ribosomal and elongation factor 1alpha gene sequences. Molecular Phylogenetics and Evolution 15(3): 440-451.

University of Illinois at Urbana-Champaign
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Front Page News

Honors and Kudos

Reminders/ Student News

Upcoming Events

Papers Presented/ Meetings Attended

NRES Newsmakers

Personals

Conference Presentations

Publications

Calendar

Credits

Calendar

Oct.	3	NRES Faculty Advisory Meeting, 10:00 a.m., N-527 Turner Hall
	5	NRES Picnic, 4:00-6:00 p.m., Hort. Field Research Center
	9	NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall
	24	Dayton Lecture
	25	Dayton Lecture
	26	Scholarship Luncheon
	28	Illini Foresters Conclave

Front Page News
Honors and Kudos
Reminders/ Student News
Upcoming Events
Papers Presented/ Meetings Attended
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Number 14, October 2000
University of Illinois at Urbana-Champaign

October Highlights

Following is the short list of of NRES October events. For more up and coming events, see the Upcoming Events section.

Oct. 17	NRES Grad Student Meeting, 6 p.m., W-209 Turner Hall
Oct. 18	Allerton Naturalists Meeting, 6 p.m., W-121 Turner Hall
Oct. 24-25	Harry Klee Presents Daniel F. Dayton Memorial Lecture Series
Oct. 26	NRES Student Scholars Luncheon, 11:30 a.m. Illini Union Room 314
Oct. 28	49th Annual Midwestern Foresters Conclave, Kennekuk County Park

Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Upcoming Events

2000 Dayton Lecture Set for Oct. 24-25
Harry Klee, professor of plant physiology at the University of Florida, Gainesville, will visit the UI campus Oct. 24-25 as featured speaker for the 2000 Daniel F. Dayton Memorial Lecture Series. Klee will deliver the Dayton Lecture, "Engineering ethylene responses in plants for fun and profit," at noon, Tuesday, Oct. 24, in the National Soybean Research Center Auditorium (149), 1101 W. Peabody Drive. A reception will follow.

At noon on Wednesday, Oct. 25, Klee will also present a Plant Physiology, Molecular Biology, Genetic Engineering seminar in Room W109 Turner Hall. The seminar title is "Ethylene and its receptors: regulation of hormone sensitivity through development."

Both presentations are open to the public. Faculty and graduate students interested in meeting with Klee during his campus stay should contact **Art Spomer**, chair of the Dayton Lecture Series (l-spomer@uiuc.edu).

Klee's research applies genetic and molecular biological techniques for the transformation of tomato plants, to develop better disease resistance and to study mechanisms related to ripening and post-harvest characteristics. He has been an Eminent Scholar in Florida's Department of Horticultural Sciences and Plant Molecular and Cellular Biology Program since 1995.

Daniel F. Dayton was a UI eminent scientist in fruit breeding and genetics, nationally and internationally recognized for his outstanding contributions to apple breeding. The annual Memorial Lecture Series was established with gifts from the Dayton family.

In addition to NRES, the series has also been supported by the departments of Plant Biology and Crop Sciences. Other committee members are **Jack Juvik, Schuyler Korban,** and **Lila Vodkin**.

Oct. 26 Scholarship Recognition Lunch
NRES students holding scholarships and fellowships for the 2000-2001 academic year will be honored, along with their advisors, at a luncheon on Thursday, Oct. 26,

11:30 a.m.-1 p.m., Room 314, Illini Union. NRES donors will also be honored and have the opportunity to meet and recognize the department's outstanding students. Invitations to the event were mailed in early October. For further information, contact **Anita Povich**, 217-333-6258 (a-povich@uiuc.edu).

Oct. 28 Illini Foresters Conclave

Andy Wickenhauser, president of the NRES Illini Foresters, reports that the club will host the 49th Annual Midwestern Foresters Conclave, 8 a.m. until dark, at Kennekuk County Park, near Danville, Oct. 28. Nine other universities from the Midwest plan to compete this year. Some of the events that forestry students will compete in are the speed chop, bucksaw, wood ID, pulp toss, bolt throw, and dendrology. All NRES faculty and staff are invited to attend the event and cheer for the home team.

This year is the 42nd anniversary of the Illini Foresters, started by forestry professors Ken Peterson and J. J. Jokela in 1958. For more information, contact President Wickenhauser (wicknhsr@uiuc.edu) or any Illini Forester club member. Club advisors are **John Edgington**, **Jeremy Shafer**, and **Steve Tondini**. Ken Konsis, director of the Vermilion County Conservation District, is the club's "honorary" advisor and a member of the NRES External Advisory Committee. ***Saw fast, foresters!***

Campus Charitable Fund Drive

A reminder! Karyn McDermaid and **Jim Appleby**, NRES coordinators for the 2000 Campus Charitable Fund Drive, ask everyone to fill out and return their pledge cards as soon as possible. McDermaid reports that the last day to turn in your form is Nov. 1. The departmental goal is $8,110. If you have any questions about the fund drive, contact either Karyn or Jim for more information.

Visit to Irwin Lab

Chris Thompson, USDA ARS, Systematic Entomology Laboratory, Smithsonian Institution, will visit the lab of **Mike Irwin**, professor, international entomology, Oct. 17-21. Thompson will work closely with Irwin and **Gail Kampmeier** to develop the next aspects of the database and website devoted to stiletto flies.

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Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Awards and Honors

Rebeiz Establishes Basic Research Fellowship
Constantin A. Rebeiz, professor, plant physiology, and **Carole C. Rebeiz**, senior research specialist in agriculture, recently established the C. A. and C. C. Rebeiz Fellowship for Basic Research. The endowment, which is part of the NRES Laboratory of Plant Biochemistry and Photobiology (LPBP) portfolio of endowments, will provide one half-time research assistantship in an area related to LPBP research interests.

Irwin Named Schlinger Research Scholar
Michael E. Irwin, professor, international entomology, was recently named Schlinger Foundation Research Scholar in Arthropod Biodiversity and Systematics in the NRES Department. As Schlinger Research Scholar, Mike will continue his research emphasis on the biosystematics and phylogeny of the fly family Therevidae.

The Research Scholar position was created by a generous grant from Evert I. Schlinger, professor emeritus, entomological sciences, at the University of California, Berkeley. Schlinger has long studied spiders and spider parasitoids of the fly family Acroceridae (Diptera). He is engaged in a worldwide long-term study to understand the phylogeny, biogeography and biology of acroceridae flies and their co-evolved spider hosts.

Both Irwin and Schlinger are fellows in the California Academy of Sciences.

Al Michelson Honered
The National Association of State Foresters has named its urban forestry award to honor former Illinois State Forester **Al Mickelson**. For the next three years, the award will be called the "Al Mickelson Current Achievement Award for Urban Forestry." Mickelson is the first former state forester to receive the honor and will be recognized this month at the NASF annual meeting in Kansas.

Mickelson worked for the Department of Natural Resources from 1961-1991, serving as state forester

from 1976-1991. During his tenure, the state's Urban Forestry program served as a model emulated by other states across the country. When appointed, Mickelson was the youngest state forester in the nation. At his retirement, he was the longest sitting state forester in the country. He currently resides in Golconda, Illinois, and is co-owner of Lusk Creek Lumber.

Havera Receives Wildlife Publications Award
Stephen P. Havera, INHS senior professional scientist, is the 2000 recipient of the Wildlife Publications Award for the Outstanding Book Category for "Waterfowl of Illinois: Status and Management" published in 1999 by INHS.

The official presentation of the award took place at The Wildlife Society's 7th Annual Conference in Nashville, TN Sept. 13. The book and companion field guide build upon more than a century of research and information from Illinois and the heart of the Mississippi Flyway, capturing the rich waterfowling tradition of the region.

David Heads Hunior Master Gardener Program
Monica David was recently appointed Junior Master Gardener Coordinator for the state of Illinois. This program will be piloted in 12 extension units throughout the state during the 2000-2001 academic year. According to David, the U of I extension Master Gardeners are combining efforts with 4-H to pilot this program, using a curriculum developed by Texas A & M University. The current curriculum is targeted for youth in grades 3-5, but additional materials for youth in 6-12 grade are under development.

Illinois joins six other states in the country as Junior Master Gardener state partners: Minnesota, Mississippi, New York, Rhode Island, South Carolina, and Texas. For further information, check out the JMG website at http://jmg.tamu.edu. Monica reports that Illinois has a page on that web site for our JMG. At a later date, she will add photos of our Illinois Junior Master Gardeners.

Smith Awarded USDA IFAS Grant
As one of four principal investigators from the University of Illinois Functional Foods for Health Program, **Mary Ann L. Smith**, professor, plant physiology, was awarded $2.5 million for a USDA IFAFS grant entitled "Component Interactions for Efficacy of Functional Foods." E. Jeffery, FSHN, is Project Director.

Warnock Recieves Campus Grant
Daniel Warnock, assistant professor, production

floriculture, received a grant from the UIUC Campus Research Board for the project entitled "Measurement of variability in western flower thrips populations from different geographic regions: Developing transport and evaluation protocols." **Rebecca Loughner**, a master's degree student in the Warnock laboratory, will develop and evaluate the proposed methods as a portion of her thesis work.

Hilten Heads Discover Life
Jeanie Richardson Hilten was named executive director of Discover Life in America. DILA was formed to support the All Taxa Biodiversity Inventory in Great Smoky Mountains National Park. Hilten most recently was school program director at the Great Smoky Mountains Institute at Tremont Center. While at UIUC, Hilten authored, along with Gary L. Rolfe, "Field Activities in Ecology Education," 1980. She earned both bachelor's ('77) and master's ('81) degrees from NRES and currently resides in Walland, Tennessee.

Onstad Named Editor
David Onstad, associate professor, systems ecology, was appointed associate editor of Environmental Entomology by the Governing Board of the Entomological Society of America this past September.

John Andresen Honored
Lieutenant Colonel (Ret.) **John W. Andresen** was awarded the Czech Bronze World War II Memorial Medal in May. Czech Prime Minister Milos Zeman and his Minister of Defense Vladimir Vetchy made the presentation. Andresen, emeritus professor of urban forestry, holds numerous awards and honors for his military services in WW II, the Korean War, and the Vietnam War.

"On the home front," Andresen reports, "he was assigned as a volunteer recruiter at the U.S. Air Force 347th Recruiting Squadron, Flight D in Champaign." His primary duty is to aid in the enlistment of teenage recruits into a career with the Air Force." If you see Dr. Andresen, give him a snappy salute!

NRES Service Awards
Congratulations to the following NRES members for their years of service to the University of Illinois:

20 years:	**LuAnn Schiff**, staff clerk
15 years:	**Carol Preston**, secretary

10 years:	**Kurt W. Nofftz**, agricultural gardener **Judy Stoll**, secretary

Outstanding Instructors in NRES
An incomplete list of teachers ranked as excellent by their students, Spring 2000: **Diane Anderson**, TA; **T. Bhuthimethee**, TA; **Dick Brazee, Don Briskin, H. Brown, John Hassett, Gary Kling, Dianne Noland, Jim Schmidt**, and **Bob Skirvin**. *Congratulations!*

Tales From the (Muddy) Front...you had to be there!
***Chuck Voigt**, who chairs the NRES Open House Committee, writes the following review of the NRES presence at the Farm Progress Show, held near Cantrall, Illinois, on Sept. 26-28. Thanks to Chuck, his committee, and the hardworking NRES members who reach out to the public each year with displays, exhibits, and information.*

Mike Bolin had two very popular displays, one featuring *The Illinois Steward*, and another helping farmers to evaluate the timber on their property. Mike must have measured and evaluated his hanging tree silhouette hundreds of times during the two days of the show.

Jim Lang gave his earthworms the year off and instead featured the Soils of Illinois, including an authentic clod of loess, collected from a pit right on the host farm.

Poo Chow showed that Kenaf is a fast-growing annual crop with potential as a fiber, biomass, and newsprint source (similar in appearance and vigor to marijuana and hemp, but unrelated).

Mary Lowry and **Karyn McDermaid** sent the "Programs and Careers in NRES" display in hopes of attracting some of the huge number of grade- and high-school students who passed through the ACES tent as future NRES undergraduates.

Chuck Voigt brought back his "Herbs, Sweet Scents of Success," display, which always attracts attention and comment.

Mike, Jim, Poo, and Chuck also received an on-site training session in the hydraulic possibilities of super-saturated topsoil. Unfortunately, this meant being stuck in the mud during a bone-chilling rainstorm on Monday. Poo also learned that you never want to stand behind the wheels while trying to push a vehicle out of the mud.

The NRES Ford truck did survive to return to active duty, two days later.

Amazingly, the weather improved rapidly and huge crowds came to the event on Wednesday and Thursday. Thousands of those folks came through the ACES tent and visited our NRES displays, so the week was not a total loss (which seemed almost inevitable on Monday). Thanks to all the NRES faculty and staff who volunteered to staff the displays, meeting and greeting all those people. Thanks, also, to the Crop Sciences personnel who took pity on four stranded NRES volunteers and brought us back to campus on Monday afternoon.

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The NRES Logo

Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Student News

Hall Receives Honor

Jennifer Hall was invited to join Phi Kappa Phi, an honor society open to all students of all disciplines who have achieved a scholastic rank in the top 10 percent of all students at UIUC. The induction ceremony will take place Monday, Nov. 13 in the Illini Union. Jennifer, who received her B.S. in ornamental horticulture in Jan. '99, is working on her M.S. degree, studying with **Tony Endress**, professor, environmental stress physiology. Her research emphasis is agribusiness/marketing. She is also a member of Pi Alpha Xi Honor Society. Congratulations, Jennifer!

Grad Student Travels

Martin Hauser, a graduate student studying with **Michael E. Irwin**, professor, international entomology, attended the International Congress of Entomology at Iguacu Falls, Brazil. While in Brazil, he also attended the two-day Diptera symposium in Curitiba, August 27-28, and spent a few days sorting through the alcohol material stored at the University Museum in Curitiba. After that, Hauser spent 10 days (August 31-September 8) in Bolivia collecting flies for his dissertation project.

Kevin Holton, a graduate student working with **Michael E. Irwin**, continues his exploits of European museums. He is now finishing his work at the Natural History Museum in Vienna and heading to the Natural History Museum in Paris. Previously, he was studying stiletto fly material at the Zoological Museum, St. Petersburg, Russia. Holton will next travel to the Natural History Museum in London, and then spend a few months at the University Zoological Museum, Copenhagen. During these studies, he is attempting to put names to the various species of stiletto flies that are part of his research.

Mark Metz, a graduate student in Mike Irwin's program, is on a weeklong trip to New Mexico and Arizona. Metz is in search of some rare stiletto flies that occur there as adults only in the autumn season.

Etter and Hollis Tie for 1st

Dwayne R. Etter and **Karmen M. Hollis** (both Ph.D. students in NRES) tied for best student presentation at

the 9th Eastern Wildlife Damage Conference, University Park, PA, October 5-8. Dwayne's paper was entitled "Overabundant deer: better management through research; Karmen's paper was entitled "Radio telemetry and Geographic Information Systems to assess urban deer zoonoses."

Piccolo's Photo Wins First Place
Brian Piccolo, graduate student working with **Tim Van Deelen**, forest wildlife ecologist, and **Dick Warner**, professor, natural resource ecology, won first place in the mammal division in the photo contest with his photo of rutting Illinois bucks. The photo contest was held in conjunction with the 7th annual meeting of The Wildlife Society (Sept. 11-16 in Nashville, TN).

Tsui Joins Roy Lab
Lo Stuart Tsui will begin working on a Ph.D. with **William Roy**, associate professor of soil chemistry. You can e-mail Stuart at (lotsui@students.uiuc.edu).

Forest Products Student Update
Dilpreet Bajwa completed his Ph.D. in Wood Science this past July and now works as a Section Leader of the New Engineered Products Group, International Paper Company, in Chicago.

Allen Rault (1996) is a Leader of Special Projects at Anderson Window and Door Company, MN.

Todd Shupe (1994) is now an assistant professor of Wood Science, Department of Forestry, Fishery and Wildlife, Louisiana State University, Baton Rouge, LA.

Steve Shook (1993) is now an assistant professor of forest products, Department of Forest Products, College of Forestry, University of Idaho, Moscow.

Congratulation to all four NRES alumni!

Student Chapter Wildlife Society
A general meeting of the Illini Student Chapter of The Wildlife Society was held on Thursday, Oct. 12 at 6p.m. in W-121 Turner Hall. For further information on the club, contact **Catherine Hoffman**, club secretary, e-mail or visit the Wildlife Society website: www.wildlife.org.

NRES Grad Students Meet
*A report from **Mary Lowry**:* NRES graduate students met Sept. 28 to discuss the future of the grad student organization. Those attending included: Renee Potera,

Karmen Hollis, Alan Kosse, Frank Hagen and his wife, Hideka Kobayashi, Jack Juvik, Dorothy Badger and Lowry. Karmen Hollis has been attending the Graduate Student Advisory Committee meetings as the NRES representative since last spring. Lowry says "we discussed many issues, but the overall consensus was that NRES should have a Grad Student Organization. This is *not* a union group," she emphasizes, "just a group of NRES graduate students with mutual interest in the department."

The following topics were discussed:

Having a club: As a formal group, the grad students would have more of a voice on policies both within and outside of NRES. A club would provide a good opportunity for students to discuss graduate issues and problems with their peers. Activities would include social events.

Grad Student Unionization: In general, TA's and RA's in NRES feel they are treated very well and did not wish to pursue unionization at this time.

Fundraising: Students will continue with doughnut sales each Tuesday morning and assess the results. If more money can't be made, the club will discontinue sales.

Departmental support: Jack Juvik and Mary Lowry would support the club as club advisors. The department will purchase a bulletin board for the club's use to be displayed on the first floor of Turner Hall. Use of a departmental account for the club funds was discussed, as well the possibility of getting some start-up funding from the department, which definitely supports having a grad club.

Committees: NRES should have graduate representation on committees that involve grad student issues, such as the graduate policy committee, grievance committees, social committee, open house committee, seminar planning, space, and the Dayton Lecture. The creation of a club would offer a pool of students willing to participate in these activities and allow students to choose the student reps for each committee.

Next Meeting: Tuesday, Oct. 17, 6 p.m., W-209 Turner Hall. The club will elect at least a president and a treasurer so the club can become a registered student organization and be eligible for funding provided by campus. If anyone has any comments or questions, contact Mary Lowry (lowry@uiuc.edu).

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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The NRES Logo

Front Page News
Awards and Honors
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Papers Presented

Smith Head of SIVB

Mary Ann L. Smith, professor, plant physiology, became president of the Society for In Vitro Biology June 2000 in San Diego. Smith was one of several members of the SIVB Plant Division who crafted a Position Paper on Genetically Modified Foods, which was published in June. She reports that the paper is used currently by Senator Bond of Missouri in his quest to destigmatize the use of biotechnology in food crop engineering.

Chow Chairs Conference Program

Poo Chow, professor, wood science, chaired the program for the Forest Products Society's Fall Conference, Midwest Section, which was co-sponsored by the Illinois Wood Products Association. "New Technology in the Forest Products Industry" was the theme for the event, held Oct. 9-10 at the Holiday Inn O'Hare International, in Rosemont, Illinois. Fifteen speakers from the forest industry and Forest Service were invited to present papers at this conference.

Chow Invited to Japan

Poo Chow, professor, wood science, was one of six invited delegates from the United States to present a paper at the Japanese Kenaf Society Conference to be held in Hiroshima, Japan on October 12-15.

Gertner Presents Seminars

This summer **George Gertner**, professor, forest biometrics, traveled to Costa Rica, the Netherlands, Germany, Switzerland and Malaysia. In Costa Rica, he presented a seminar entitled, "Error Budgets for Forest Monitoring and Modeling Systems" at the Centro Agronómico Tropical de Investigación y Enseñanza (Tropical Agriculture Research and Higher Education Center, CATIE). In Amsterdam The Netherlands, he gave a presentation entitled, "Uncertainty Propagation and Partitioning in Spatial Prediction of Topographical Factor for Rusle (authors: Wang, Fang, Gertner and Anderson)" at the International Symposium of Spatial Accuracy Assessment in Natural Resources. At the University of Freiburg in Germany, he gave a seminar entitled, "Error Budget Assessments of Natural Resource and Environmental Models. At the Swiss Technical University Zurich (ETH), he gave a seminar on "The Relationship

Between Uncertainty in Risk Assessment and Uncertainty of Model Projections."

In Kuala Lumpur, Malaysia, Gertner attended the International Union of Forest Researcher Organization (IUFRO) World Congress. He made two presentations. One entitled, "Temporal and Spatial Error Budgets for Woody Plant Biodiversity (authors: Gertner, Cao and Wang)" and the second entitled, "The Role of Interactions in Hypothesis Testing of Ecological Scenarios with Process Models (authors: Parysow and Gertner)."

International Entomology Congressm

Michael E. Irwin, professor, international entomology, reports that IPM and agricultural entomology were dominant themes at the recent 21st International Congress of Entomology, convened in Brazil, that featured 20 plenary presentations, 42 symposia and workshops, and more than 4,200 posters and papers. The massive meeting attracted over 4,100 participants representing 74 nations.

The event, in preparation since 1996, made heavy use of electronic communication, such as: use of the Web for Congress communication, registration, and abstract submission; and collecting paper abstracts on a CD-ROM made available to participants. Closed circuit TV was used to broadcast presentations throughout the dispersed Congress facilities, including an interview with Irwin as one of the featured entomologists. For further information: www.embrapa.br/ice/.

Korban Highlights

Schuyler Korban, professor of plant genetics, traveled to Trento, Italy, Sept. 13-16, to attend an ISHS Symposium on Apple Breeding for Scab Resistance. He presented an invited oral presentation and a poster on ongoing research efforts in his laboratory to isolate and clone the scab resistance gene in apple. Korban then traveled to Paris, France and presented an invited seminar on "Plant-based edible vaccines" at INRA-Versailles, and met with various scientists at this French agricultural research center.

He also spent time visiting officials at INRA-Paris, along with scientists and officials at other private agricultural institutes and universities, to explore opportunities for scientific exchange and collaborations in his role as UIUC-INRA Liaison Officer (Sept. 18-22). Korban then traveled to Zurich, Switzerland and visited colleagues at the Swiss Federal Research Institute (Sept. 25-26).

Korban gave an invited seminar entitled "Transgenic plants for delivery of edible vaccines" at the University of Tennessee, Knoxville, TN, Oct. 6. The seminar was co-sponsored by the Department of Plant and Soil Science and the Department of Ornamental Horticulture and Landscape Design.

Ken Olson Invited Seminar
On September 13, **Kenneth R. Olson**, professor, pedology and soil conservation, gave an invited seminar on "The effects of soil erosion on soil properties and crop yields" at the Direccion de Investigacion Cientifica, Facultad de Agricultura, Universidad Autonoma de Nayarit in Tepic, Mexico.

Irwin Convenes Sessions
Michael E. Irwin convened Session 2, Agricultural Entomology, at the International Congress of Entomology, held in Foz de Iguacu, Brazil, August 20-26. He also organized and moderated a symposium entitled "New Wine from Old Skins: A Landscape View of Cultural Control" and presented the lead-off talk, "Little understood and difficult to manipulate, the oldest classical tactic has untapped potential."

Irwin also presented the summary session and directed the general discussion of another symposium, "Forecasting and Managing Migratory Insect Pests and Natural Enemies."

S. D. Gaimari and M. E. Irwin presented a poster entitled, "Systematics and biogeography of the Cycloteline Therevinae (Diptera: Therevidae)." After the Congress, Irwin attended the two-day Diptera symposium, Curitiba, Brazil, August 27-28, and spent a few extra days sorting through the alcohol material stored at the University Museum in Curitiba.

Society for Invertebrate Pathology
Lee Solter, INHS adjunct professor and NRES affiliate, attended the Annual Meeting of the Society for Invertebrate Pathology in Guanajuato, Mexico. Lee co-organized and moderated a symposium on Insect Immunity, co-organized the Microspodia Workshop and was a presenter, and presented a paper co-authored by colleague Michael Henn. Lee also serves as a trustee for the Society.

Dewalt Documents Species
R. Edward DeWalt, Illinois Natural History Survey (INHS) aquatic entomologist and NRES affiliate, participated in the All Taxon Biotic Inventory (ATBI) in

NRES

the Great Smoky Mountains National Park (GSMNP) Sept. 25-30. The ATBI is an effort to document the species present and to provide data to predict distributions and associations with other taxa and vegetation classes.

DeWalt and assistant Brian Heinold collected fall emerging stoneflies in the family Leuctridae. These insects inhabitat most small, cool streams in the region, but the fall fauna have not been well documented in the region. Thirty locations were sampled during a one-week period, with nearly all yielding these pencil lead-thin, 6-7 mm insects.

DeWalt says "this effort, as well as future ones, will enrich our knowledge of the fauna inhabiting this large International Biosphere Reserve known as GSMNP."

Additionally, these contemporary collections will aid in the evaluation of historical specimens from the 1930s maintained by INHS. Several other INHS staff participated in the ATBI. To learn more about the ATBI, visit their website at www.discoverlife.org.

Ken Robertson & Prairie Inspiration

On Friday, September 8, **Ken Robertson**, plant systematist, INHS, and NRES affiliate, gave a tour of the prairie pioneer cemeteries at Loda and Paxton to Paul Kratter, an artist from the San Francisco area. Paul is preparing the illustrations for a children's book about prairies and made a special trip to Illinois to get first-hand impressions of the prairie.

On Saturday, September 9, Robertson lead a field trip to hill prairies in Pere Marquette State Park. The 15 persons attending were from the St. Louis Horticultural Society and the Gateway Chapter of the American Rock Garden Society; both societies include members from Missouri and Illinois.

On Tuesday, September 12, Robertson gave a presentation entitled "Native Plants in the Home Landscape: A Wealth of Diversity" at Onarga to a group of Master Gardeners from Ford and Iroquois counties. More than 50 persons attended.

On Friday, September 22, Robertson presented an address entitled "Inspirations from the Prairie: Ecology, Landscaping, Art" at the Certificate Program Graduation ceremony at the Morton Arboretum. About 160 persons attended the ceremony. Certificates were awarded in three programs: Botanical Art and Illustration, Home

Landscape Horticulture, and Naturalist (with two tracts, Natural Areas and Interpretive).

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

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Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

NRES Newsmakers

As sure as leaves change colors in the fall, local reporters turn to the expertise of **Jeffery Dawson**, professor, tree physiology, to explain the process. Jeff was featured in the *Champaign News-Gazette*, Sunday, Oct. 8, in an interview with Anne Cook.

Frances Kuo, assistant professor, and **Andrea Faber Taylor**, UI doctoral student and visiting lecturer, who are investigating the link between lower crime rates and trees, grass and other green spaces, "now think time spent with nature benefits kids suffering from attention deficit disorder." Their research was featured in the *Champaign News-Gazette* in August. Faber is studying child environment and behavior with Kuo and **William Sullivan**, associate professor, landscape design, in the Human Environment Research Lab. Their work surveyed parents around the Midwest whose children suffer from ADD.

Poo Chow took to the airways June 26, when WDZ radio (Decatur, AM 1050) interviewed him during the daily Farm Program show. Poo joined a radio-phone conversation Stewart Ellis, extension farm business management, Macon County. The topic of the radio show was "Utilizing Recycled Plastics, Waste Papers and Kenaf Plant Fibers for Production of Composite Panels Used in Interior Parts in automobile and building construction." This external C-Far research grant also involved co-cooperators Robert Lambert, crop sciences department, and scientists at the U.S. Forest Products Laboratory, Forest Service, USDA.

Front Page News
Honors and Kudos
Student News
Upcoming Events
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Personals

Biing T. Guan is NRES Visiting Scholar
Welcome to Biing T. Guan, who returns to NRES as a visiting scholar in George Gertner's program. Guan earned his Ph.D. in NRES in 199 His current office address is S-222 Turner Hall.

Onstad Has New 'Digs'
David Onstad, associate professor, systems ecology, has moved to 278 National Soybean Research Center. This location gives Onstad the opportunity to work more closely with entomologists and soybean researchers studying the new invasive soybean aphid. Onstad's telephone number remains the same, and he still collects his mail in the Plant Science Lab.

Goodbye, Gail, hello Carrie!
NRES welcomes **Carrie Konstanty**, who joined the Business Office, N-519, Sept. 11. Carrie, who is an extra-help employee, takes over the receptionist desk, recently vacated by Gail Pruiett, whose 900 hours as extra help ended Sept. 20. Carrie's duties include receiving requests for purchase and reimbursement; payroll check distribution; meeting scheduling and calendar tracking for Lisa Emerson; and answering general questions about the Business Office. Carrie formerly was office manager for Youth for Christ. NRES welcomes Carrie aboard!

Condolences

Pamela Sue Vogel
NRES expresses condolences to Paula Moxley, NRES secretary, and her family. Paula's sister, Pamela Sue Vogel, died Sept. 23, 2000 at her home in Rankin, Illinois. She was 46 years old.

Born Oct. 1, 1953 in Gibson City, Pamela is survived by her father of Rankin; a daughter, Kristen Vogel of Decatur; her sister Paula; two brothers, and several nieces and nephews.

Memorials may be made to the Rankin United Methodist Church or the diabetes association.

Scott Bennett Nelson
A 1975 UI graduate in ornamental horticulture, Scott Bennett Nelson died September 5, 2000 at his home in Chicago. Nelson worked for the Chicago Park District for 15 years, primarily at the Lincoln Park Conservatory. He earned numerous orchid awards from local, state and national groups. In 1986 he propagated a new orchid, the Epidendrum diffusum, which he named 'Esayen,' based on his mother's initials.

In addition to his horticultural work, Nelson had played piano and electric keyboards for 40 years. He is survived by his parents, Nathan and Sadye Nelson, and two brothers, Ronald and Alan.

Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Conference Presentations

Poster Presentation
7th annual conference of The Wildlife Society, September 12, 2000. Variation of white-tailed deer home ranges in fragmented urban habitats around Chicago, Illinois. **B. P. Piccolo, K. M. Hollis, R. E. Warner, T. R. Van Deelen, D. R. Etter,** and C. Anchor.

Shoufan Fang, research programmer, attended the Joint American Statistical Association Meeting August 13 to 17 in Indianapolis. A poster was presented entitled, "Comparison of Three Estimators for a Nonlinear Growth Model (authors: Fang and Gertner)"

Papers Presented
Bauer, L. S., Miller, D. L. and **Solter, L. F.** (INHS) 2000. Comparative pathogenicity of three Nosema species from Europe infecting the gypsy moth, Lymantria dispar. Annual meeting of the Society for Invertebrate Pathology. Guanajuato, Mexico.

Tait Bowers, graduate assistant, "Engineering Properties of Illinois Juvenile Hardwoods" Annual Conference of the Forest Products Society, Lake Tahoe, Nevada, June 18-21, 2000. **Dilpreet Bajwa** (Ph.D. '00), presented "Aspen-Kenaf Composite Boards" at the same conference. **Poo Chow** presented a paper "Non-Woven and Melt-Blended Composite Panels from Recycled Plastics, Waste Papers, and Natural Fibers" also at the Lake Tahoe conference.

Ken Olson, "The effects of soil erosion on soil properties and crop yields" at the Direccion de Investigacion Cientifica, Facultad de Agricultura, Universidad Autonoma de Nayarit, Tepic, Mexico, Sept. 13, 2000.

On June 21-22, **Poo Chow** presented a paper "The Buffering Capacities of Two Pines and Two Hardwoods and Their Effects on the Gelation Time of a Urea-Formaldehyde Adhesive" at the International Adhesives 2000 Conference, Nevada.

Poo Chow, "The Natural Durability of Guayule (Parthenium argentatum) Based Wood Product," International Conference on Wood Preservatives

Research (IRG) in Kona, Hawaii, May 15-21.

Solter, L. F. (INHS) and Henn, M. W. Development of Vairimorpha sp. in the fat body tissues of Lymantria dispar (Lepidoptera: Lymantriidae) larvae and effects on host food utilization values.

T. E. Gosselink, T. R. Van Deelen, M.J. Joselyn, M. J. and **R. E. Warner**. Seasonal variations in habitat use and home range of sympatric coyotes and red foxes in agricultural and urban areas of east-central Illinois. 7th Annual Conference of the Wildlife Society, Nashville, TN, Sept. 12, 2000.

T. R. Van Deelen, K. M. Hollis, C. Anchor, and D. R. Etter. Effects of sex on age determination and wear and morphology of molariform teeth in adult white-tailed deer. 7th Annual Conference of the Wildlife Society, Nashville, TN, September 14, 2000.

Guangxing Wang, postdoctoral research associate, attended the Modeling Complex System Conference in Montreal Canada July 31 to August 4. He presented the paper entitled, "Temporal and Spatial Prediction and Uncertainty Analysis of Rainfall-Runoff Erosivity for Revised Universal Soil Loss Equation (authors: Wang, Gertner, Singh and Parysow)."

Publications

M. Alario. 2000. Science, Ethics and Policy Responses to the 'Organized Irresponsibility'. Special issue on Democracy, Ecology and Ethics, Journal: Democracy and Nature: the International Journal of Inclusive Democracy, Volume 6, number 2, pp: 187-199.

Bajwa, D. and **P. Chow**. 2000. Aspen-Kenaf Composite Boards. Abstracts, 2000 Forest Products Society, Lake Tahoe, Nevada. Page 15.

Bowers, T. and **P. Chow**. 2000. Engineered Properties of Illinois Juvenile Hardwoods. Abstracts of Forest Products Society, Lake Tahoe, Nevada. Page 41.

Chow, P., R. J. Lambert, **D. S. Bajwa**, C. T. Bowers, A. Jensen, S. Weber, and C. G. Cook. 2000. Effects of cultivar and planting spacing on yield and fiber quality of kenaf grown in central Illinois. Proceedings: Third Annual American Kenaf Society Conference, Corpus Christi, TX. Pages 59-63.

Chow, P. and F. Nakayama. 2000. A preliminary investigation on the natural durability of Guayula (Parthenium argentatum) based products. International Research Group: IRG/WP 00-40154, Kona, Hawaii. 6 pages.

Chow, P., J. Muehl, et al. 2000. Nonwoven and melt-blended composite panels from recycled plastics, waste papers, and natural fibers. Abstracts, Forest Products Society, Lake Tahoe. Page 16.

Ekbom, B., **M. E. Irwin**, and Y. Robert, eds., 2000. Interchanges of insects between agricultural and surrounding landscapes. Kluwer Academic Publishers, The Netherlands. 239 pp.

Gaimari, S. D. and **M. E. Irwin**. 2000. Phylogeny, classification, and iogeography of the cycloteline Therevinae (Insecta: Diptera: Therevidae). Zoological Journal of the Linnean Society 129: 129-240.

Gaimari, S. D. and **M. E. Irwin**. 2000. Revision of the mexicana-group of the cycloteline genus Ozodiceromyia

Bigot (Diptera: Therevidae). Proc. Entomol. Soc. Wash. 102: 561-600.

Gaimari, S. D., and **M. E. Irwin**. 2000. Systematics and biogeography of the cycloteline Therevinae (Diptera: Therevidae). Abstract, Proceedings of the XXI International Congress of Entomology. Book 1, page 32. EMBRAPA, Londrina, Brasil.

H. M. Fouly, H. T. Wilkinson 2000. Detection of Gaeumannomyces graminis varieties using Polymerase chain reaction with variety-specific primers. Plant Disease 84:947-951.

Irwin, M. E. 2000. Little understood and difficult to manipulate, the oldest classical tactic has untapped potential. Abstract, Proceedings of the XXI International Congress of Entomology. Book 1, page 32. EMBRAPA, Londrina, Brasil.

Irwin, M. E. 2000. Forecasting and managing migratory insect pests and natural enemies. Summing up and general discussion. Abstract, Proceedings of the XXI International Congress of Entomology. Book 1, page 39. EMBRAPA, Londrina, Brasil.

Irwin, M. E., L. R. Nault, C. Godoy, and **G. E. Kampmeier**. 2000. Diversity and movement patterns of leaf beetles (Coleoptera: Chrysomelidae) and leafhoppers (Homoptera: Cicadellidae) in a heterogeneous tropical landscape: Implications for redressing the integrated pest management paradigm. Chapter 9, pages 141-168, in B. Ekbom, M. E. Irwin, and Y. Robert, eds., Interchanges of insects between agricultural and surrounding landscapes. Kluwer Academic Publishers, The Netherlands. 239 pp.

J. D. Garcia-Paredes, **Olson, K. R.**, and **J. M. Lang**, 2000. Predicting corn and Soybean -productivity for Illinois soils. Agricultural Systems 64:151-170.

Madden, L. V., G. Hughes, and **M. E. Irwin**. 2000. Coupling disease-progress-curve and time-of-infection functions for predicting yield loss of crops. Phytopathology 90: 788-800.

Metz, M. A., and **M. E. Irwin**. 2000. A new therevid genus from Dominican amber, the revisions of *Lindneria* Kröber and *Insulatitan* **gen. nov.** and their phylogenetic relationships with closely related extant Therevinae (Diptera: Therevidae). Annals of the Entomological Society of America 93: 977-1018.

Olson, K. R., J. M. Lang, J. D. Garcia-Paredes, R. N. Majchrzak, C. I. Hadley, M. E. Woolery and R. M. Rejesus. 2000. Average crop, pasture and forestry productivity ratings for Illinois soils. Bulletin 810. Office of Research. College of Agriculture, Consumer, and Environmental Sciences, University of Illinois at Urbana-Champaign. 82 p.

Olson, K. R. and **J. M. Lang**. 2000. Optimum crop yields and productivity ratings for Illinois soils. Bulletin 811. Office of Research. College of Agriculture, Consumer, and Environmental Sciences, University of Illinois at Urbana-Champaign. 36 p.

Solter, L. S., Pilarska, D. K., and C. F. Vossbrinck. 2000. Host specificity of microsporidia pathogenic to forest Lepidoptera. Biol. Contr. 19, 48-56.

Van Deelen, T. R., K. M. Hollis, C. Anchor, and D. R. Etter. 2000. Sex affects age determination and wear of molariform teeth in white-tailed deer. The Journal of Wildlife Management, 64:1076-1083.

Winterton, S. L., J. H. Skevington, **M. E. Irwin**, and D. K. Yeates. 2000. Phylogenetic revision of *Bonjeania* Irwin and Lyneborg (Diptera: Therevidae). *Systematic Entomology* 25: 295-324.

Winterton, S. L., D. J. Merritt, A. O'Toole, D. K. Yeates, and **M. E. Irwin**. 1999. Morphology and histology of the spermathecal sac, a novel structure in the female reproductive system of Therevidae (Diptera: Asiloidea). International Journal of Insect Morphology and Embryology 28: 273-279.

Zhao, L., and **P. Chow**. 2000. The buffering capacities of two pines and two hardwoods and their effects on the gelation time of a urea-formaldehyde adhesive. Wood Adhesives 2000, Madison WI., Pages 120-121.

Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Calendar

NRES 400 Fall Seminars

Oct.	16	Dr. Lei Guangchun; Professor in Ecology at Peking University
	23	Karmen Hollis, Ph.D., Swarnamali Rupassara, Ph.D.
	30	Leslie Heffron, Ph.D., Jenny Schaust, M.S.
Nov.	6	Dan Barnstable, M.S., Joseph Aguyoh, Ph.D., Hye-yun Jeong, Ph.D.
	13	Dr. Ed Runge; Texas A&M University
	20	Thanksgiving vacation
	27	Matthew Coyner, M.S.; Gretchen Gerrish, M.S., Scott Maxwell, M.S., Lishomwa Mulongwe, M.S., Gayoung Yoo, Ph.D.
Dec.	4	Bethany Looney, M.S.; Sergio Motoike, Ph.D.

Dorothy Badger coordinates the NRES 400 seminar series.

Revised Holidays 2000-01
The holidays for fiscal year 2000-01 will be observed on the Urbana-Champaign campus as follows:

Thursday, November 23, 2000
Thanksgiving Day

Friday, November 24, 2000
Day After Thanksgiving (Designated Holiday)

Monday, December 25, 2000
Christmas Day

Tuesday, December 26, 2000
Designated Holiday

Monday, January 1, 2001
New Year's Day

Monday, January 15, 2001

Martin Luther King Day

Monday, May 28, 2001
Memorial Day

Other Departments, Units, and Divisions within the College of ACES

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Front Page News
Upcoming Events
Awards and Honors
Student News
Papers Presented
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Number 15, November 2000
University of Illinois at Urbana-Champaign

Happy Thanksgiving, Everyone!

Campus Charitable Fund Drive

Jim Appleby and **Karyn McDermaid** thank the NRES community for the success of the department's Campus Charitable Fund Drive. NRES surpassed its departmental goal of $8,110 with a grand total of $9,124! NRES also exceeded the campus average of 20 percent participation, with 25 percent of our department making contributions!

Spring 2001 New Course

Please alert your students to a new course offered spring semester by Ken Salo, assistant professor, environmental policy. This course was too late to be included in the Spring 2001 course catalogue. This introductory course on international environmental policy will focus on the relationship between a scientific understanding of the causes of global environmental degradation and international policy responses.

Specific natural resource management problems of international concern will be explored through seminar presentations and debate to evaluate international policy responses in the light of current indicators of social equity, ecological integrity and economic sufficiency.

The course is organized as two related components. The first focuses on the links between global environmental degradation and unsustainable patterns of production and consumption.

The second component concentrates on case studies of natural resource management and pollution control policy reforms in Southern African Development Community (SADC) countries.

Selected case studies focus on the intersection between:

- access to freshwater and socio-economic human rights
- habitat protection and food security
- pollution control and social justice

- biosafety and regulating the biotechnology trade

International Environmental Policy
1 unit or 4 hours
NRES 300-KS; Call No.: 08247

TuTh 1:00-2:40 pm
1103 PSL
Ken Salo: kensalo@uiuc.edu
Text: Hunter D, Salzman J & Zaelke D *International Environmental Law and Policy* Foundation Press 1998
http://www.american.wcl.edu/pub/IEL

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Student News

Illini Foresters Earn 3rd Place
The Illini Foresters chopped and sawed their way to third place in the 49th annual Midwestern Foresters Conclave, held at Kennekuk County Park near Danville Oct. 28. Seven major universities competed in the event, sponsored by the Illini Foresters, NRES, and the Vermilion County Conservation District.

The Illini Foresters' **Nathan Deppe** captured first place in the Wood Identification Contest. Deppe, a NRES junior, outscored 14 forestry students in the event judged by **Poo Chow**. Logrolling and bucksawing were among the big spectator events testing physical skills. **John Edgington** judged dendrology and 2-man bucksaw, and **Jeff Dawson** judged the men's pulp-toss.

Steve Tondini, faculty advisor for the NRES team, was proud of the U of I's third-place finish. Southern Illinois University, which has dominated the Conclave for eight consecutive years, again finished in first place, with second place going to the University of Missouri. Other universities competing were Purdue, Michigan Tech, U of Minnesota, The Ohio State University, and Southeastern Illinois College.

Both Tondini and fellow advisor **Jeremy Shafer** praised the 15-member U of I team, which is small compared to other schools with twice that number. "This year we edged out Purdue University and Southeastern Illinois College," Tondini said, "both traditional powerhouses."

Don't Forget the Illini Foresters Christmas Tree & Wreath Sale!
December 1-3, 2000, Illini Plantations, Race and Windsor in Urbana. Open 24 hours for wreaths...garlands...trees... [more info]

4-H Hort Delegates Sweep National Awards
Congratulations to the Illinois 4-H horticulture delegates who just returned from the annual meeting of the National Junior Horticulture Association (NJHA) in Vienna, Virginia. All of the Illinois delegates received

awards! The group competed against 19 other states in the national horticulture contests, which brought together 4-H, FFA, and other youth interested in horticulture.

The Grand National Award in extemporaneous speaking went to Peter Dittmar (Elizabeth, IL). Sagar Ravi (Charleston, IL) received a national award for his illustrated talk on indoor gardening. David and Rick Rodriguez (Crystal Lake, IL) received a national award for their demonstration on growing and using raspberries. The judging team, made up of Karissa Sartell (Huntley, IL), John Hanford (Watseka, IL), and Ed Murphy (Woodstock, IL) placed 2nd in the 'Open' division. In top individual scores of the 'Open' contest, Karissa placed 7th highest.

Other Illinois participants who won awards: Jason Helsdon (Chicago, IL) won the Grand National Award in the 19-22 year-old division of the extemporaneous speaking contest. Krista and Megan Miller (Oakland, IL) received awards in the Phillips Memorial Essay Contest. Megan Miller received the Grand National Award, while her sister Krista received the National Award for their written essays.

Advisers for the group included **James C. Schmidt**, extension specialist - horticulture; **Greg Stack**, horticulture educator, Matteson; and **David Robson**, horticulture educator, Springfield. The Illinois 4-H Foundation provided the financial support for these delegates to attend this national event.

The Wildlife Society Student Chapter
Congratulations to **Brian Piccolo**, who received certification as an associate wildlife biologist through The Wildlife Society. The Wildlife Society has also granted official approval for the formation of the University of Illinois Student Chapter of The Wildlife Society. The Illini Student Chapter will receive approval recognition at the Midwest Fish and Wildlife Conference in Minneapolis, MN this December. Board Members for the Illini Chapter are:

Brian Piccolo, president; piccolo@uiuc.edu
Paul Strode, vice president; pstrode@uiuc.edu
Catherine Hoffman, secretary; clhoffma@uiuc.edu
Ron Davis, treasurer; rwdavis1@uiuc.edu
Tim Van Deelen is faculty advisor to the group. deelen@mail.inhs.uiuc.edu

NRES Grad Student Organization (GSO) Forms

Graduate students in NRES are meeting as a new registered student organization. The group officially formed in October with the following officers: **Karmen Hollis**, acting president; **Melinda Merrick**, acting secretary; and **Renee Potera**, acting treasurer. The club is departmentally supported by **Jack Juvik**, **Mary Lowry**, and **Gary Rolfe**.

The purpose of the NRES GSO is to foster communication with administration and create a network of resources representing the diverse student body in NRES.

President Hollis reports the group is presently working on increasing club membership, forming a fund raising committee (Chair Renee Potera), updating NRES graduate student contact information, and developing a web site.

"In the future, we hope to work closely with other graduate student organizations within ACES," says Hollis. "Our next meeting will take place in mid-to-late November with a guest speaker. We will keep you informed by posters, email, and our bulletin board located in Turner Hall (first floor, west side). We are small, just getting started, and could use your help. If you have any further questions, feel free to contact any of the above officers or NRES faculty."

Hollis Wins Award **Karmen M. Hollis**, NRES graduate student, received an award for Outstanding Student Presentation at the 9th Eastern Wildlife Damage Management Conference, Oct. 5-8, in University Park, PA. Way to go!

New Club Bulletin Boards
When you get a chance, check out the new student bulletin boards on Turner Hall's first floor, west hallway. The NRES Graduate Student Organization, the student chapter of the Wildlife Society, and The Illini Foresters have each posted information on the colorful additions. Thanks to everyone for construction, maintenance, and upkeep!

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Upcoming Events

North Central Turf Expo
The 17th Annual North Central Turfgrass Exposition will take place Nov. 28-30, 2000 at Pheasant Run Resort in St. Charles. This event benefits the Illinois Turfgrass Foundation's research funds.

Each year the Foundation's awards luncheon presents NRES undergraduates with turf scholarships from the industry and recognizes members with the ITF Distinguished Service Awards. The luncheon takes place Nov. 29, 11:30 a.m.-1:15 p.m.

The varied program includes 200 booth trade shows, 27 educational seminars, and a treasury of turf-related events. **Andy Hamblin** will open the general session with a talk on "Risks and Benefits of Genetically Enhanced Turfgrasses." Workshops will be taught by the following faculty: **Bruce Branham, Raymond Cloyd, Tom Fermanian, Phil Nixon, Jim Schmidt, Greg Stack, Tom Voigt,** and **Hank Wilkinson**.

NRES Retreat January 9, 2001
Get your mind and your walking shoes ready for the 2001 NRES Faculty Retreat to be held on Tuesday, Jan. 9, 2001 at Robert Allerton Park and Conference Center. **Denny Schrock**, who chairs the NRES Retreat Committee, promises a rewarding day's retreat along with a chance to see a bit of Allerton's beauty. Working topics on the agenda are:

- Student recruitment
- Field experience for NRES majors
- Faculty Excellence hiring process

Greenhouse Management Workshop
A Greenhouse Management Workshop is scheduled for January 30, 2001 at the Brandywine Holiday Inn in Peoria, IL. This is an all-day workshop, which will cover the following topics: insect identification and management, ways to improve performance of pest control materials, disease identification and management, and fundamentals of plant nutrition. In addition, there will be a question and discussion session. For more information on the program and registration

fee, contact: **Raymond A. Cloyd**, University of Illinois, Department of Natural Resources and Environmental Sciences. Phone: (217) 244-7218; Fax: (217) 333-4777; Email: rcloyd@uiuc.edu

NRES Internship/Career Fair
This year's Internship and Career Fair will take place in the hallways of fifth floor Turner Hall on Thursday, Feb. 8. **Karyn McDermaid**, internship coordinator, reports that NRES will also host an information session the night before the I & C Fair on Feb. 7. This will give company representatives an opportunity to make short informational presentations about their organizations and give students time to ask questions and interact with guests.

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Awards and Honors

Rebeiz Receives Award

Constantin A. Rebeiz was awarded $700,000 for the first two years of a five-year effort to develop the photodynamic pesticide technology. Rebeiz was also awarded $30,000 dollars for exploratory research into chloroplast bioengineering technology.

Korban Featured in Magazine

Schuyler S. Korban, professor of plant genetics, is featured (with a picture) in the Nov. 6 issue of *U.S. News & World Report* in its 21-page article focusing on jobs in various disciplines and areas. His article deals with opportunities for jobs in biotechnology in the field of agriculture.

Wahl Authors Best Paper

David H. Wahl and co-author S. R. Chipps received the Best Paper Award from the Dakota Chapter Meeting of the American Fisheries Society. Their paper is entitled "Effects of habitat complexity and sunfish community structure on aquatic productivity."

Andresen Meets ROTC Cadets

John Andresen, emeritus professor of urban forestry and lieutenant colonel, United States Air Force, was the featured speaker at the ROTC Cadets annual "Dining In" banquet held at the Holiday Inn on Oct. 27. Andresen emphasized that the Air Force Officer's main duty was to defend our nation.

Gertner Hosts Yangtze River Program Leader

George Gertner hosted Professor Guangchun Lei from Beijing University from October 16-20. Professor Lei is the World Wildlife Fund Yangtze River Program Leader. One of the primary reasons for the visit was to explore how uncertainty methods could be incorporated into their monitoring and modeling systems they are using for the Yangtze River Program. Gertner will visit Professor Lei for 10 days in December.

Biing Guan is Full Professor

Biing Guan, Taiwan National University, recently received word that he was promoted to full professor. Professor Guan is currently visiting **George Gertner's**

research group for three months. He graduated from UIUC with a Ph.D. in 1993. Congratulations!

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Meetings/Conferences Attended

Human Ecology Meeting
Joanne Vining attended the Eleventh Meetings of the Society for Human Ecology, with the following paper presentations:

> **Vining, J.** and **Scrogum, J. J.** Aspects of Animals in Human Lives Extracted Via Qualitative Analyses of Four Data Sources.
>
> **Cristancho, S.** The Cross-Cultural Issue in Policy-Making and Management Strategies Involving Symbolic Plant Species in Amazon Natives' Territories.

Joanne also organized two invited sessions for the conference, "Humans and Other Animals," with twelve papers, and "Meanings and Interpretations of Nature," with eleven papers.

Grassland Management Workshop
Here's some news from the Burnsides crew. On October 24, **Eric Kershner, Dan Olson** and **Jeff Walk** gave presentations at the Grassland Management Workshop held by the Illinois Chapter of the Wildlife Society in Effingham, Illinois. About 50 biologists/managers were in attendance. The group reports good feedback from their talks. Titles are as follows:

- "Colonization and Productivity of Grassland Birds in Newly Created Habitats," **Eric L. Kershner** (presenter), **Jeffery W. Walk** and **Richard E. Warner.**
- "Abundance and Productivity of Birds in Managed Grasslands," **Jeffery W. Walk** (presenter), **Eric L. Kershner** and **Richard E. Warner**.
- "Movements of Reptiles and Amphibians: Implications for Landscape Management," Daniel J. Olson (presenter) and **Richard E. Warner**.
- "Marketing Private Lands Habitat Programs," **Richard E. Warner** (presenter), **Patrick Hubert**, and **Phil Mankin**.

Biota Migration & Dispersal
Gail Kampmeier, Scott Isard (geography), Joe

Spencer, and graduate student **Tim Mabry** attended the annual meeting of NCR-148, Migration & Dispersal of Biota, at Michigan State University on Oct. 23-24. Gail completed her final year as secretary/treasurer to that group (re-elected to the position since 1985) and was elected to chair the committee in 2002 when it meets in Kansas City, MO in conjunction with the American Meteorology Society's Conference on Biometeorology & Aerobiology. In 2001 the committee will meet in conjunction with WCC-60, pesticide resistance group.

Scott Isard, co-representative to NCR-148 from Illinois, presented a summary of cooperative migration and dispersal research with Elson Shields (Cornell) and Don Aylor (Conn. Ag. Expt. Sta.) on potato late blight; Joe Spencer summarized research on corn rootworm movement & dispersal studies as well as work done on Japanese beetles; Gail Kampmeier presented an outline of work planned and on-going in Illinois on the newly invasive soybean aphid, *Aphis glycines*.

All About Black Bass

David P. Philipp attended the 130th Annual Meeting of the American Fisheries Society in St. Louis from Aug. 20-24. Several NRES members gave presentations or were involved in the organization of the meeting. Dave reports that one of the highlights of the meeting was a special symposium "Black Bass 2000: The Ecology, Conservation and Management of the Black Bass of North America." Dave organized this event with Mark Ridgway (of the Ontario Ministry of Natural Resources). The Black Bass 2000 ran the entire length of the AFS meeting and included invited speaker sessions, posters, contributed papers, and an interactive panel session that brought together scientists, professional anglers, outdoor writers, and industry personnel. The Director of the Illinois Department of Natural Resources, Brent Manning, served as a panel member. Abstracts for the meeting can be found at the annual meeting website: http://www.fisheries.org/annual2000/index.htm.

Snake Ecology 2000

In September, **Patrick Weatherhead** attended the Snake Ecology 2000 conference at the Ozark National Science Center in Fayetteville, Arkansas and presented the invited talk "Microsatellites and mating systems: a case study using northern water snakes." He also co-authored two other talks at that meeting, which was organized through the University of Arkansas. This month he attended the 2nd North American Duck Symposium in Saskatoon, Saskatchewan.

Let's Hear It for Herbs

NRES

Charles E. Voigt traveled to New England in October to present two seminars. The first, "Growing Gourmet Garlic," was presented at Caprilands Herb Farm in Coventry, Connecticut. This was part of an eight-part Caprilands Legacy Lecture Series, developed and organized by Chuck to revive interest in this historic herb farm, the oldest, by far, in the US. Chuck reports that he is currently at work scheduling an expanded version for 2001.

The second seminar, "How to Survive a Career as a State Extension Specialist," was presented Oct. 16 to former ACES researcher John Gerber and the Department of Plant and Soil Sciences at the University of Massachusetts, Amherst. Chuck was warmly received by the faculty and students and had some time to renew an old friendship with John and Phyllis Gerber.

Chuck continues to author informative articles about various herbs. His latest, "Rosemary, Herb of the Year 2000," is the featured article in the upcoming issue of *The Herbarist, the Annual Journal of The Herb Society of America* (issue 66). His five-page article, complete with a great cover illustration of rosemary, grew from a slide presentation he made at the 1999 HSA annual meeting in Toronto, Canada. In case you forgot, rosemary is "a symbol of fidelity, linked to remembrance, friendship, and love."

Cloyd Attends Workshops

Raymond A. Cloyd attended the following conferences/workshops:

- The 12th Ornamental Insect and Disease Workshop. Oct. 16-19, 2000. Crossnore, NC.
- North Central Region (NCR) 193: Management of Insect Pests and Diseases of Landscape Plants. Annual Meeting. Oct. 16, 2000. Crossnore, NC.
- Interregional Research Project (IR) No. 4 Ornamental Use Workshop. Oct. 2, 2000. Eastlake, OH.
- Scarab Parasitoid Workshop. Sept. 6-7, 2000. Tennessee State University, Nursery Crop Research Station, McMinnville, TN.

Other Departments, Units, and Divisions within the College of ACES

NRES Newsmakers

Did You Know?
Seventy Green-Energy Projects Funded for National Parks. "Green Energy Parks," a new joint initiative between the Department of Energy and the National Park Service, is spending $1.6 million to fund 70 energy efficiency and alternative energy projects at NPS facilities around the country. Projects include efficient lighting, ground-source heat pumps, solar water heating, and photovoltaics. DOE also is providing technical assistance.

Welcome Janice Coons!
Welcome to **Janice M. Coons**, visiting associate professor, who joined NRES this fall. Her office is located at 1025 Plant Sciences Laboratory, 217-333-8505; coons@uiuc.edu. Most recently, Janice attended the Natural Areas Conference in St. Louis, MO (Oct. 16-20).

She also gave an invited seminar entitled "Seed germination studies from Illinois kudzu populations" at the meeting of the Kudzu Task Force organized by the Illinois Department of Natural Resources and held in Giant City State Park in Illinois on May 23, 2000. Other investigators involved with the project were John Ebinger (emeritus professor, Eastern Illinois University) and Eileen Adler (former undergraduate student researcher at Eastern Illinois University).

In July, Janice was chair and organizer for a workshop entitled "Fate of Horticulture in Merged Departments" at the annual meeting of the American Society for Horticultural Science held in Orlando, FL on July 23-26, 2000.

In August, she gave a talk entitled "Reproductive potential of silvery bladderpod (Lesquerella ludoviciana)" at the annual meeting of the Botanical Society of America in Portland, OR. Other co-authors were Henry Owen (associate professor at EIU), Jennifer Franklin (former undergraduate student researcher at EIU), and John Ebinger (emeritus professor from EIU).

She recently received two grants. "Reproductive Potential of the Endangered Species, Stylisma

pickeringii" was supported for $1,000 from the Illinois Department of Natural Resources for 2000-2001. She was co-PI with Henry Owen (Eastern Illinois University). "Reproductive Potential in Three Colonies of Silvery Bladderpod (Lesquerella ludoviciana)" was supported for $1,000 from the Illinois Department of Natural Resources for 2000-2001 (CO-PI with Henry Owen).

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Personals

Welcome to NRES

John Masiunas recently hired **Juli Brussell** as a half-time research specialist to facilitate a project funded by the North Central Region Sustainable Agriculture Research and Education Grant Program. The project is to assist small-scale farmers in adopting alternative enterprises. Juli has had extensive involvement and leadership in organic farming, sustainable agriculture and marketing issues. She and her husband farm in Casey, Illinois.

News From Dilpreet Bajwa

Recent Ph.D. graduate **Dilpreet Bajwa** writes from his new position as senior product development engineer with International Paper in Chicago. Dilpreet's office is located at the John Coates Technical Center in West Chicago. You can reach him at 630-513-4097, fax-630-584-1139. His email address is: dilpreet.bajwa@ipaper.com. Congratulations, Dilpreet.

Condolences

Beatrice C. Irwin

Beatrice C. Irwin, mother of **Michael Irwin**, died November 12, 2000 in Urbana. She was born Dec. 3, 1916 in Chicago. Before moving to Urbana, Ms. Irwin resided in Seal Beach, California. She attended Long Beach State University and earned a master's degree in English. She was a teacher in the Orange County, Calif. school system and a professional potter. Memorial contributions may be made to Provena Covenant.

Mary Robinson Zych

Mary Robinson Zych, widow of **Chester C. Zych**, died Oct. 26, 2000 in Atlantic, North Carolina. Mrs. Zych was a longtime resident of Champaign, where she was a food service worker. She and her husband retired to North Carolina in 1976, where they managed a motel and restaurant until his death. Chester C. Zych was a former professor of horticulture at UIUC who worked with small fruits/breeding and taught Hort 100 for many years. Surviving are two sons, Chet Zych and Rob Zych, both of

Champaign. Memorial contributions may be made to the Sea Level Rescue Squad, Sea Level, N.C.

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Conference Presentations/Proceedings

K.M. Hollis, C. Anchor, J. Chelsvig, D.R. Etter, J.P. Dubey, **R.E. Warner**, and L.L. Hungerford. 9th Eastern Wildlife Damage Management Conference. October, 2000, University Park, PA. Radio-Telemetry and Geographical Information Systems to Assess Urban Deer Zoonoses.

D.R. Etter, **T.R. Van Deelen**, D.R. Ludwig, **K.M. Hollis**, J. Chelsvig, and **R.E. Warner**. 9th Eastern Wildlife Damage Management Conference. October, 2000, University Park, PA. Overabundant Deer, Better Management Through Research.

T.R. Van Deelen, K.M. Hollis, C. Anchor, and D.R. Etter. 7th Annual Conference of the Wildlife Society, September 14, 2000, Nashville, TN. Effects of Sex on Age Determination and Wear and Morphology of Molariform Teeth in Adult White-Tailed Deer.

K.M. Hollis, C. Anchor, J. Chelsvig, D.R. Etter, J.P. Dubey, **R.E. Warner**, L.L. Hungerford, and J.L. Aycrigg. 80th Annual Meeting of The American Society of Mammalogists. June 21, 2000, Durham, NH. Radio-Telemetry and Geographical Information Systems to Assess Urban Deer Zoonoses.

D.R. Etter, **K.M. Hollis**, J.E. Chelsvig, D.R. Ludwig, **T.R. Van Deelen**, and **R.E. Warner**. 80th Annual Meeting of The American Society of Mammalogists. June 20, 2000, Durham, NH. Survival and Movement of White-Tailed Deer in a Fragmented Urban Landscape.

Schuyler S. Korban, professor of plant genetics, presented two talks at the 2000 Extension Conference held in Urbana on Oct. 26. One presentation was on "Ethics in Biotechnology" while the second presentation was on "Beyond Corn and Soybeans: Biotechnology research in fruit crops."

Piccolo, B.P., K.M. Hollis, R.E. Warner, T.R. Van Deelen, D.R. Etter, and C. Anchor. 2000. Variations of White-tailed Deer Home Ranges in Fragmented Urban Habitats around Chicago, Illinois. 9th Annual Eastern

Wildlife Damage Conference, State College, PA.

Sogbedji, J.M., H.M. Harold, and R.R. Schindelbeck. 2000. Modeling Early Season Nitrogen Dynamics in Humid Temperate Regions. American Society of Agronomy (ASA) annual meeting. November 5-9, Minneapolis, Minnesota.

Sogbedji, J.M. and **G.F. McIsaac**. 2000. Nitrogen Fate and Transport under Variable Cropping Systems and Soil Types at the Watershed Scale: Evaluation of the ADAPT Model. Illinois 2000 Water Conference, November 13-14, University of Illinois at Urbana-Champaign.

Conference Poster

B.P. Piccolo, K.M. Hollis, R.E. Warner, T.R. Van Deelen, D.R. Etter, and C. Anchor. 9th Eastern Wildlife Damage Management Conference. October, 2000, University Park, PA. Variation of White-Tailed Deer Home Ranges in Fragmented Urban Habitats around Chicago, IL.

B.P. Piccolo, K.M. Hollis, R.E. Warner, T.R. Van Deelen, D.R. Etter, and C. Anchor. 7th Annual Conference of the Wildlife Society, September 14, 2000, Nashville, TN. Variation of White-Tailed Deer Home Ranges in Fragmented Urban Habitats around Chicago, IL.

Other Presentations

R.A. Cloyd, Thrips Control (October 17, 2000. Twelfth Ornamental Workshop on Disease and Insects, Crossnore, NC).

R.A. Cloyd, Greenhouse Insect Control (October 11, 2000. Indiana Flower Growers Conference, West Lafayette, IN).

R.A. Cloyd, Strategies to Deal with Insect and Mite Pests in Greenhouses (September 12, 2000. J & G Smith Buyer's Trade Show, Naperville, IL).

R.A. Cloyd, Orchids Galore Workshop (Sept. 2, 2000. Luthy Botanical Garden, Peoria, IL).

R.A. Cloyd, Insects and How They Affect Your Life (August 25, 2000. Singles Celebrating Life, Champaign, IL).

R.A. Cloyd, Entomology: What's Bugging You (October 24, 2000. Edgar County Extension Unit, Paris, IL).

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Publications

Claramunt, R.M. and **D.H. Wahl**. 2000. The effects of abiotic and biotic factors in determining larval fish growth rates: a comparison across species and reservoirs. Transactions of the American Fisheries Society. 129:835-851.

Cloyd, R.A., and **P.L. Nixon**. 2000. Up-Date on Turfgrass and Landscape Pest Control Materials, pp. 29-33. *In* Proceedings 2000 University of Illinois Turfgrass and Landscape Field Day. Horticulture Series No. 4. University of Illinois, Urbana-Champaign, IL 72 pgs.

Cloyd, R.A., and **P.L. Nixon**. 2000. Gypsy Moth. Entomology Fact Sheet, NHE-153. Department of Natural Resources and Environmental Sciences.

Gibson, J.L., B.E. Whipker, and **R. Cloyd**. 2000. Success With Container Production of Twelve Herb Species. Horticulture Information Leaflet No. 509. North Carolina State University Cooperative Extension.

Cloyd, R.A. September-October 2000. Pest Patrol. Interior Business Vol. 3, No. 1:20-25.

Cloyd, R.A. 2000. Understanding and Managing Whiteflies. Flower Tech Vol. 3, No. 5:42-45.

Cloyd, R.A., and K.K. Rane. Aug. 2000. Pest Connection. Grower Talks Vol. 64, No.4:128-131.

Cloyd, R.A. November-December 2000. Insects and How They Affect Your Life. The Celebration Vol. 8, No. 6:6.

Coons, J.M. 2000. It's All About Learning. HortTechnology 10:275-276.

Kampmeier, G.E. 2000. President's Corner: Retaining and increasing membership. ESA Newsletter 23(11):2.

Wang, G., **G.Z. Gertner**, P. Parysow and A. Anderson. Spatial prediction and uncertainty analysis of topographic factors for the Revised Universal Soil Loss Equation (Rusle). Journal of Soil and Water

Conservation. Third Quarter 2000. p. 373-382.

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Calendar

Nov.	24	Designated Holiday
Dec.	8	ACES Alumni Association Board Meeting, 12:00 noon, Urbana
	8	JBT Banquet - Reception in Illini Union South Lounge, 5:30 p.m.; Dinner and Program in Illini Rooms A-B-C, 6:00 p.m.
	11	NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall
	15	NRES Holiday Social, 2:30-4:00 p.m.
	25	Christmas Day
	26	Designated Holiday
		2001
Jan.	1	New Year's Day
	9	NRES Faculty Retreat, Robert Allerton Park
	17-19	Illinois Specialty Crops Conference, Clarion Hotel, Champaign
	17-19	Mid-Am Horticultural Trade Show, Navy Pier, Chicago
Feb.	8	NRES Internship/Career Open House

Front Page News
Student News
Upcoming Events
Awards and Honors
Meetings/ Conferences
NRES Newsmakers
Personals
Conference Presentations
Publications
Calendar
Credits

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Number 1, January 2001
University of Illinois at Urbana-Champaign

Happy New Year!

NRES Holiday Gathering A Success!

Thanks to Chair **Jim Lang** and the members of the NRES Social Committee, including **Charlie Boast, Joyce Canaday, Mark David, Gil Mendoza, Dave Phillip, Mastura Raheel, Carole Rebeiz,** and **Jeremy Shafer**, for a fitting way to end 2000. NRES students, faculty and staff celebrated the holiday season with a social in the Plant Sciences Laboratory on December 15. Delicious food was served and door prizes, presented by Santa himself, added to the fun! A special thank you to Terry Harvey, husband of **Linda Harvey**, PSL secretary, for being our Santa for the day! Terry, what are you doing in December 2001?

NRES Faculty Retreat

The 2001 NRES Faculty Retreat took place January 9, 2001 at Robert Allerton Park and Conference Center in Monticello, IL. Agenda items included: student recruitment, field experience for NRES majors, and web-based instructional technology. **Denny Schrock**, Extension specialist, chaired the retreat committee. Other members of the retreat committee were: **Joyce Canaday, Frances Kuo, Jack Juvik, Schuyler Korban, Dave Philipp, Ken Salo,** and **Dan Warnock**. You did a great job!

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Upcoming Events

Reminder: NRES Internship and Career Fair

The Annual NRES Internship and Career Fair is scheduled for Thursday, February 8, 2001, 9:30 a.m. - 3:30 p.m., in the 5th floor hallways of Turner Hall. NRES students and faculty are encouraged to stop by and visit the many companies and organizations that plan to send representatives.

Pre-fair company information sessions will take place Wednesday evening, February 7, 6 - 8 p.m. Natural resource and environmental organizations will be located in W-109 Turner Hall, and panel discussions with horticulture and landscaping companies will take place in W-115 Turner Hall, according to Karyn McDermaid, NRES internship coordinator.

Attendees at the Career Fair include:

Natural Resource Management
Boone County Soil & Water Conservation District
City of Elgin Department of Recreation
Illinois Department of Agriculture
Peace Corps
Pizzo & Associates Ecological Restoration
Wisconsin Conservation on the Land Internship Program
Environmental Management, Consulting, Engineering
Christopher B. Burke Engineering, Ltd.
IL EPA, Office of Pollution Prevention
Integrated Lakes Management
Marine Biochemists
Rapps Engineering & Applied Science

Natural Resource Research
Illinois EcoWatch Program
Illinois Natural History Survey
USA CERL-CPAC

Forestry
City of Chicago
Osmose, Inc.
Environmental Education
Indiana Dunes Environmental Learning Center

Urbana Park District
Horticulture
Ball Horticultural Company
Chicago Park District
UI Arboretum
Zelenka Nursery

Landscaping
Acres Group
David J. Frank Landscape
James Martin Associates
The Brinkman Group, Ltd.

2001 Illinois Specialty Crop Conference

The 2001 Illinois Specialty Crop Conference will be held January 17-18 at the Chancellor Hotel and Convention Center (formerly The Clarion). The cost is $50 for the first person and $20 for each additional participant. Conference highlights include: tour of the SuperValu Produce Distribution Center; cider judging contest; commercial trade show; education tracts on fruit, herbs, vegetables, and marketing; UI greenhouse tours. For more information, contact **Mary Lowry**, research specialist in agriculture, by phone: 217/244-5761 or e-mail: lowry@uiuc.edu.

Herb Day 2001

Chuck Voigt, NRES Extension specialist, reminds us that the Herb Day 2001 program will be held from 8 a.m.- 4 p.m. on Saturday, January 20, 2001, at the Holiday Inn Hotel and Conference Center, 1001 Killarney St., Urbana, IL.

Herbal experts from around the country will present five educational sessions to inspire herb gardening and use in the coming year. Sessions include "Using Herbs in the Landscape and Kitchen" by Rosalind Creasy; "Simple and Effective Herb Cooking Ideas" by Patricia Reppert; "The Fragrant Path: Growing and Using a Garden of Aromatic Herbs" by Colleen Dodt; "There's Always a Reason to Celebrate with Herbs" by Mary Buckles; and "The ABCs to Medicinal Herbs" by **Donald Briskin**, associate head and Briskin, professor of plant physiology.

"Beyond several educational sessions, the conference includes an idea forum for herb gardeners, a retail area with vendors of herbs, everlastings, equipment, books, and many other herbal products," said **Voigt**.

Cost of registration, including lunch, is only $29 per person. Lunch reservations must be received no later than January 12, 2001. Those interested should mail checks, payable to the University of Illinois, to: Herb Day

2001, Attn: **Carol Preston**, secretary, S-406 Turner Hall, 1102 S. Goodwin Ave., Urbana, Illinois 61801. More information can be obtained on the web site: http://web.aces.uiuc.edu/news at the Gardening link.

Research-Oriented Job and Information Fair

If you are a graduate or postdoctoral student, or undergraduate upperclassman with an interest in a research career, then the Research-Oriented Job and Information Fair is the place for you! The Fair will be held in the Illini Union, Rooms A, B, and C on Friday, January 26, 2001 from 9:30 a.m. to 4 p.m. Companies from the pharmaceutical, agricultural, chemical, biotechnology and government sectors will be in attendance.

Greenhouse Management Workshop

This is a reminder that the Greenhouse Management Workshop is scheduled for January 30, 2001 at the Brandywine Holiday Inn in Peoria, IL. Contact **Raymond Cloyd**, assistant professor, by phone: 217/244-7218; fax: 217/333-4777; e-mail: rcloyd@uiuc.edu.

Annual UIUC Faculty Retreat on Active Learning

Another faculty retreat will be held on Wednesday, February 7, 2001 from 8 a.m.-2:15 p.m. at the Illini Union, sponsored by the College of ACES. The keynote speaker, Dr. Charles Bonwell, will present "Advancing Learning Through Critical Thinking." Contact Kendra Bair by phone: 217/333-2888, fax: 217/333-9561, e-mail: kbair@uiuc.edu, or visit http://nautilus.outreach.uiuc.edu/conted on the web to register.

Forest Landowner Conferences

Mike Bolin, NRES Extension forester, will coordinate two forest landowner conferences in the first quarter of 2001. One conference will be held at Sinsinawa Mound Center in Sinsinawa, WI on Saturday, March 10, and the other conference will be held at the Quincy Holiday Inn in Quincy, IL on Saturday, March 24. NRES faculty members speaking at the conferences include **Jim Appleby**, research associate professor, and **John Edgington**, principal research specialist in forestry. **Michael Jeffords**, adjunct professor, **Bianca Rios**, graduate research assistant, and **Jeremy Shafer**, research specialist in agriculture, will assist Mike with the conferences.

The Sinsinawa conference annually attracts more than 600 landowners and is one of the largest forest landowner conferences in the nation. This will be the

inaugural conference for the Quincy location. Both conferences target forest landowners living in Illinois, Iowa, Missouri, and Wisconsin. NRES and the forestry schools at Missouri, Iowa State, and Wisconsin serve as conference sponsors, as does the Extension Service, the DNR forestry divisions, and the NRCS in the four states. Six NRES students will serve as program moderators for the Sinsinawa conference: **Andy Wickenhauser, Wang Yun, Indu Rupassara, Aaron Leifheit, Sarah Huels,** and **Emily Jones**.

Environmental Horizons 2001

All faculty and students at UIUC involved in environmental research, outreach, or artistic expression on environmental matters are invited to show their work during the Environmental Horizons 2001 Conference, March 26, 2001, at the Illini Union. Application forms and more information are available on the Environmental Council web site:
http://www.environ.uiuc.edu/call_for_posters.htm.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Awards and Honors

Kuo and Sullivan Receive Achiebement Awards

Frances Kuo, assistant professor, **William Sullivan**, associate professor, and the Human-Environment Research Lab recently received a major award for their work on green spaces and healthy human functioning. The Environmental Design Research Association, an international research society, presents its annual achievement award to the researcher or research team whose work has contributed the most significant insights into the relationship between environment and behavior.

Kuo and Sullivan received this award for a line of research in Chicago public housing. Among other findings, this work has tied green spaces with lower levels of aggression and violence, less crime, stronger neighborhood ties, more supervision of children, and more effective patterns of coping with poverty.

Bill Shoemaker on Advisory Committee

Bill Shoemaker, senior research specialist in agriculture, was appointed to the horticulture advisory committee for the Chicago High School for Agricultural Sciences. Congratulations, Bill!

In other news from Bill, a new Horticulture Extension Educator has been appointed in the Countryside Extension Center. **Maurice Ogutu**, who received his Ph.D. from Virginia Tech in November 2000, will begin as a Food Crops Horticulture Educator on February 21, 2001, filling the position left vacant by the retirement of Dr. Bill Whiteside. Maurice's work at Virginia Tech included working on sustainable production systems for vegetables. Maurice had previous Extension experience in Kenya, where he was raised on a farm.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Student News

JBT Scholarships Awarded

Congratulations to **Rory D. Nicholson**, **Sarah Ramsay**, and **Jennifer Walling**, freshmen in NRES, for being among the 55 freshmen in the College of ACES to receive Jonathan Baldwin Turner Scholarships this year. An awards banquet was held in December 2000 to honor the recipients. JBT Scholarships are awarded annually to incoming freshmen in ACES, based on their histories of leadership, good citizenship and academic achievement. The recipients receive a yearly stipend of $1,000 throughout their under-graduate careers, provided they maintain a GPA of at least 3.40 for 30 graded hours of course work each academic year, and a cumulative GPA that places them in the top 10% of their class. Rory's future plans include addressing environmental issues, perhaps as a lawyer or through involvement with the EPA. Sarah plans to either become an environmental consultant or to enter graduate school in the joint degree program sponsored by NRES and the College of Law. Jennifer hopes to obtain work in a field that will allow her to help solve environmental problems. The funding for Jennifer's scholarship came from the faculty of NRES.

Horgan and Lickfeldt Receive National Honors

Congratulations to Ph.D. candidates in turfgrass science **Brian Horgan** and **Darin Lickfeldt** for award-winning finishes in the C5 graduate student speaking competition at the 2000 Agronomy Society meetings held in Minneapolis. Horgan is advised by Associate Professor **Bruce Branham** and finished second with the paper, "Direct Field Measurement of Denitrification and Mass Balance of 15N-Labeled Potassium Nitrate Applied to Turf." Co-authors were Branham and Professor **Richard Mulvaney**. Lickfeldt was selected as the third place finisher with the paper, "Determining Varietal Composition of Blended Kentucky Bluegrass Stands by DNA Fingerprinting." The co-authors, Assistant Professors **Tom Voigt** and **Andy Hamblin**, are also co-advisers of Lickfeldt's graduate program. More than twenty papers were entered in the contest.

In December 2000, Horgan and Lickfeldt also garnered national recognition by being selected to receive two of the four Watson Fellowships presented annually by the Golf Course Superintendents Association of America. The

$5,000 fellowships are presented based on academic excellence, peer recommendations, communication skills, commitment to a career as an instructor/scientist, accomplishments in research and education, and potential to contribute significantly to the golf-turf industry. The awards will be formally presented in February 2001 at the Golf Course Superintendents Association of America annual meeting held in Dallas.

The Horticulture Club's Upcoming Events

The first meeting of the Horticulture Club for the Spring Semester will be January 17, according to **Meredith Blumthal**, president of the club. Each meeting includes speakers related to the horticulture field. Upcoming events include the MID-AM trade show at Navy Pier in Chicago in January, the annual rose and potted plant sale for Valentine's Day in February, and the Mom's Day Flower Show in April.

Front Page News

Upcoming Events

Awards and Honors

Student News

Meetings Attended, Papers Presented

NRES Newsmakers

Personals

Other News

New Items from NRES Store

Conference Presentations

Publications

Important Dates

Credits

Meetings Attended, Papers Presented

Illinois Crop Protection Technology Conference

The Illinois Crop Protection Technology Conference was held at the Illini Union on January 9 and 10, 2001. NRES presenters included: **Glen Hartman**, assistant professor, who discussed "Soybean Viruses in Illinois"; **Eli Levin**, adjunct professor, and **Christopher Pierce**, graduate research assistant, who presented "Western Corn Rootworms in the 21st Century: New Research on an Old Problem"; **William F. Simmons**, associate professor, who discussed "Herbicide Behavior in the Soil Environment"; and **Michelle Wander**, associate professor, who presented "Management, Organic Matter and Carbon Sequestration".

Chow Visits Australia

Poo Chow, professor of wood science, presented an invited paper at the 5th Pacific Rim Bio-Based Composites Symposium at Caberra, Australia, December 2000.

Charlebois on the Go

Pat Charlebois, associate research scientist, presented a paper at the Midwest Fish and Wildlife conference entitled "Exotic Zooplankton in the Mississippi River Basin: a Two-Way Street" in December 2000. She also attended a meeting of the Dispersal Barrier Advisory Panel and presented the results of a survey of anglers to assess their knowledge of round gobies in December 2000. In addition, Pat attended the Great Lakes Panel on ANS meeting, also held in December 2000.

Gertner in China and Taiwan

George Gertner, professor of biometrics, visited Beijing, China and Taiwan in December 2000. In Beijing, he gave separate seminars at Peking University and at the World Wildlife Fund Beijing Office on "The assessment of uncertainty in monitoring and simulation systems." He also visited the Yangtze River and wrote a proposal with Professor Lei at the World Wildlife Fund. In Taiwan, he worked with Professor Guan on another proposal.

Wiesbrook Gives Presentation

Michelle Wiesbrook, Extension specialist, gave a presentation on Pesticide Applicator Training Activities and was on the Pesticide Management panel at the Cooperative Extension Service/EPA Meeting on Water Quality in December 2000 in Chicago. She also attended the National Assessment of the Worker Protection Standard Workshop #2 in Sacramento, CA in December 2000.

NAS Conference

Maggie Alario, assistant professor, represented UIUC at the National Academy of Sciences' first conference on Science, Policy and the Environment, held in Washington, D.C., in December 2000.

Apple Rootstock Report

Mosbah Kushad, associate professor, attended the NC-140 regional meeting on November 6-7, 2000 in Wooster, Ohio, where he presented the Illinois report on the performance of apple rootstocks in the 1992 and 1994 research trials.

IWIN Course A Winner!

A successful Illinois Wilds Institute for Nature (IWIN) course was held in October 2000 in Southern Illinois. Entitled "Nature Photography: The Natural History of the Cache River", the course allowed 27 participants from across Illinois to obtain first-hand experience with this unique ecosystem and to learn to photograph it successfully. The course instructors were INHS' **Michael Jeffords**, adjunct professor, and **Susan Post**, research specialist in agriculture, Liz Jones, from Cypress Creek National Wildlife Refuge, and Jim Waycullis, IDNR.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

NRES Newsmakers

The November 17, 2000 edition of *The News Gazette etc!* featured an article about *The Illinois Steward* magazine. The article, written by Kirby Pringle, extolled the high quality of the magazine, which features articles on Illinois' natural history and heritage alongside striking photographs of landscapes, plants, and wildlife. Pringle also discussed the limited funding available to this award-winning magazine, and how it manages to continue year after year due to word-of-mouth and the passion and determination of its staff. The article featured quotes from **Michael Bolin**, Extension specialist and co-managing editor of the magazine; **Bob Reber**, associate professor and co-managing editor; **Lynn Hawkinson Smith**, ITCS Extension communications specialist and the magazine's designer and illustrator; and **Michael Jeffords**, adjunct professor and photographer. *The Illinois Steward* is published quarterly and a year's subscription costs $10. A subscription form is available at http://ilsteward.nres.uiuc.edu/.

Patrick Hubert, graduate student in NRES, is performing doctoral research on the population of wild turkeys in Cass and Clark counties to see if the restoration program is successful. He puts radio tags on some of the birds the state has released to study the social and environmental factors that contribute to successful repopulation. The radio transmitters help him determine where the wild turkeys are, how they migrate and how many survive. His research (and photo!) was featured in an article by Anne Cook in *The News-Gazette* on November 23, 2000.

Michael Irwin, professor of international entomology, was featured in the University of California-Riverside Department of Entomology Fall 2000 newsletter, "The Buzz" in the Alumnus feature (p. 2-3).

Schuyler Korban, professor of plant genetics, was featured in the "News You Can Use, Career Guide" for his research on engineering tomatoes to serve as a means of administering a vaccine against respiratory syncytial virus, or RSV.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Personals

Farewell to Alan Otterbacher

Alan G. Otterbacher, principal research specialist in agriculture, retired from the University of Illinois after 35 years of service in December 2000. His research emphasis has been small fruits and viticulture. Alan has served as a researcher, writer, Pomology Research Farm Coordinator, guest lecturer, invited speaker, teacher and student supervisor. He has assisted in the small fruit/micro-propagation program of **Robert Skirvin**, professor in NRES, for 24 years. You will be missed greatly, Alan!

Dorothy Badger is Back!

Dorothy Badger, area secretary, second floor Turner Hall, writes about her surgery and subsequent recovery. *"I want to thank all of you who sent flowers and cards and took time out of your busy schedules for phone calls. Thank you also to those of you who responded by e-mail to wish me luck. The surgery went fine, for the most part."*

Dorothy reports the week of November 13-17, which she spent in Provena Covenant, was rather harrowing: *"When all of you were enjoying Seminar on the 13th, I was in Covenant's emergency room... they were trying to find out why I lost most of my blood. My early hours in the hospital were spent having a cat scan, 5 blood transfusions, a sonogram, continuous IV's and a few dozen blood tests. Then, when it looked like all the tests were done, the doctor decided to do a bone marrow biopsy, just to make sure he wasn't missing anything. After all of the tests and needles, it was decided that my "no-known allergy" body didn't like something about the surgery.*

"It's great to be back! I missed all of you. Other than weather problems with big snow drifts on U.S. 36 and Route 130, I plan to be with you all of next semester."

Wedding Bells

Congratulations to **Bronwyn Aly nee Barger**, Research Specialist-Horticulture at Dixon Springs Agricultural Center (DSAC), who married Mark Aly on October 28, 2000. The couple wed in a scenic outdoor ceremony at Rauchfuss Hill recreational area overlooking the Ohio

River. Bronwyn has worked at DSAC for 6 summers in the capacity of extra help and has been employed full-time in her current position since April 1999. The couple spent their honeymoon in the Great Smoky Mountains camping and backpacking. The couple will reside in Golconda where Mark runs a family-owned funeral home business and serves as the Coroner of Pope Country.

Welcome Colleen Hammel

Colleen Hammel, N-509 Turner Hall, joined the NRES Administrative Office as a Secretary IV in December 2000. She will be assisting **Anita Povich**, communications and development specialist, on a variety of projects, including "NRES News" and "InterConnections" newsletters, and will provide secretarial support to the fifth floor Turner Hall faculty.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Other News

Visit Illinois Wilds

The new exhibit that has appeared in the hallway of the Natural Resources Building is compliments of **Michael Jeffords**, adjunct professor and **Susan Post**, research specialist in agriculture. The exhibit was put together with a grant from the Elizabeth Cheney Foundation, Chicago, obtained by the Chicago Botanic Garden and Michael and Susan. After being on display last fall at the Garden's gallery, the exhibit was given to Michael and Susan. They have donated the panels to the Survey for display. The opening panel of "Wilds of Illinois" is near the main entrance of the Natural Resources Building outside room 164.

Irwin Searches for Rare Flies

Michael Irwin, professor in NRES, recently returned from a month-long expedition in December 2000 to New Caledonia in search of flies belonging to the family Therevidae. The expedition produced several of these rare and difficult to collect flies, but some that were needed for his research remain hidden in the cloud forests of that tropical island.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

New Items from NRES Store

Illinois Habitats Poster

The Illinois Natural History Survey has produced the first in a new poster series called Illinois Habitats. The first features the Cypress Swamps of Southern Illinois and is for sale in the mailroom of the Natural History Survey. At $4, they make a great gift idea for those skeptics who think Illinois is less than charismatic! The poster was designed by Michelle Garland and photographed by INHS' **Michael Jeffords**, adjunct professor and **Susan Post**, research specialist in agriculture.

Master Gardener Calendar

There's still time to purchase the beautifully photographed U of I Garden calendar for 2001. Written, produced, photographed and edited by **Denny Schrock**, Illinois Master Gardener Coordinator, the calendars are available through ITCS Instructional Materials at 1-800-345-6087 for $10. Thumbnails of the calendar photos are located at www.aces.uiuc.edu/~vo-ag.

Tee Shirts, Sweatshirts...

The Illini Foresters 2000 Conclave T-shirts are available in W-503 Turner Hall for $10. NRES sweatshirts, with **Lynn Hawkinson Smith's** design, are also available from the main office for $10.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Conference Presentations

Andy Hamblin, assistant professor, participated in workshops and meetings at the Second International Symposium of the Molecular Breeding of Forage Crops in Australia. He represented the U.S. efforts in plant host resistance studies with perennial grasses.

Nicolle Hofmann, Ph.D. student working with **Andy Hamblin**, assistant professor, presented a poster at the Crop Science Society Annual Meetings in Minneapolis in November 2000 entitled "Progress in Identifying Resistance to Gray Leaf Spot in Perennial Ryegrass".

Gail Kampmeier, research scientist, and **Martin Hauser**, graduate research assistant, attended the Entomological Collections Network meeting held on the McGill University campus in Montreal, Canada in December 2000.

Gail Kampmeier, research scientist, graduate research assistants **Martin Hauser** and **Mark Metz**, and **Jill Marie Mullett**, visiting research specialist in agriculture, attended the Joint Annual Meeting (JAM) of the Entomological Society of America, Canadian Entomological Society, and Societe Entomologique du Quebec in December 2000 in Montreal, Canada. All participated in a program symposium organized by Kampmeier, entitled: "Insects: Art & Illustration: will we always need scientific illustrators?" Kampmeier introduced and moderated the session, Metz coordinated the AV, Mullett presented an invited talk, "Computer Rendering: Just another medium", and Hauser presented the invited talk co-authored with Scott Robinson of the Beckman Institute, "SEM and ESEM: Imaging into the future." Mullett, Metz, and Hauser also participated in a panel discussion on training the non-professional illustrator.

Also at the JAM, **Gail Kampmeier** was a student poster judge; she attended the ESA Strategic Planning Committee Luncheon where Branch (regional) meetings were discussed; she attended the Editorial Board meeting of the *American Entomologist* in the place of **Michael Irwin**, professor; as chair of the Standing Committee on Membership, she conducted a meeting of that committee and reported on its progress and that of

the AE editorial board at the business meeting of Section C. At the final business meeting of ESA, she was re-appointed chair of the Membership Committee for 2001. She was also nominated as Secretary to Section C (Biology, Ecology, & Behavior) of ESA. Elections will be held in summer of 2001.

Darin Lickfeldt, Ph.D. student working with Assistant Professors **Tom Voigt** and **Andy Hamblin**, received an award for his oral presentation at the Crop Science Society Annual Meetings in Minneapolis in November 2000 entitled "Determining Varietal Composition of Blended Kentucky Bluegrass Stands by DNA fingerprinting".

Rob Wiedenmann, INHS, NRES Affiliate, gave an invited presentation entitled, "Volunteer research in biological control in home gardens" to the annual meeting of the Association for Natural Biocontrol Producers in Oxnard, CA, November 2000. He also gave a lecture and lab on biology of parasitoids to the Biology 142 class at Parkland College, November 2000.

Rob Wiedenmann, INHS, NRES Affiliate, presented the following posters at the 2000 Entomological Society of America meeting in Montreal, December 2000:

> C.S. Sadof, R.J. O'Neil and **R.N. Wiedenmann**. Reducing pesticide use in home gardens through training in biological control. (Cliff and Bob are both at Purdue University).

R.N. Wiedenmann, D.J. Voegtlin, S.L. Post and **M. R. Jeffords**. Loosestrife on the run: integrating a biological control program into education and outreach.

M. Alleyne and R.N. Wiedenmann. Teratocyte development within novel-association lepidopteran hosts (Diatraea spp.) after parasitization by Cotesia flavipes-complex parasitoids.

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Publications

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Chow, P., C.T. Bowers, J.A. Youngquist, N.M. Stark, J. H. Muehl, and A.M. Krzysik. 2000. Injection-Molded Plastic Composites from Maize Fibers and Polypropylene. Proceedings: 5th Pacific Rim Bio-Based Composites Symposium, Canberra, Australia. Pages: 638-643.

Hamblin, A.M. and R. Gerstenecker. 2001. Evaluation of Horseradish for Resistance to Root Discoloration and Pegging. Biological and Cultural Tests, Vol. 16.

Henn, M.W. and **L.F. Solter.** 2000. Food utilization values of gypsy moth Lymantria dispar (Lepidoptera: Lymantriidae) larvae infected with a microsporidium Vairimorpha sp. (Microsporidia: Burenellidae). Journal of Invertebrate Pathology 76: 263-269.

Hofmann, N.E. and **A.M. Hamblin.** 2001. Reaction of Perennial Ryegrass to Gray Leaf Spot Following Inoculation in the Field. Biological and Cultural Tests, Vol. 16.

Hofmann, N.E. and **A.M. Hamblin.** Gray leaf spot: What do we really know? On Course Magazine, Nov. 2000.

Irwin, M.E., L.R. Nault, C. Godoy, and **G.E. Kampmeier**. 2000. Diversity and movement patterns of leaf beetles (Coleoptera: Chrysomelidae) and leafhoppers (Homoptera: Cicadellidae) in a heterogeneous tropical landscape: implications for redressing the integrated pest management paradigm. Pages 141-168 in B. Ekbom, M. Irwin, & Y. Robert, eds., Interchanges of Insects between Agricultural and Surrounding Landscapes, Kluwer Academic Publishers.

Irwin, M.E., B.M. Wiegmann, D.K. Yeates, PI's, and **G.E. Kampmeier**. Final Report. Towards a World Monograph of the Therevidae (Diptera). National Science Foundation program on Partnerships for Enhancing Expertise in Taxonomy DEB 95-21925, Sept. 1995-

August 2000.

Kalt, W. and **M. Kushad**. 2000. The role of oxidative stress and antioxidants in plant and human health: introduction to the colloquium. HotScience 35:572.

Kushad, M.M. and NC.140 Committee. 2000. Performance of 'Gala' apple on 18 dwarf roostocks: five-year summary of the 1994 NC.140 dwarf roostock trial. J. Amer. Pomol. Soc. 54:92-107.

Kushad, M.M. and NC.140 Committee. 2000. Performance of 'Gala' apple on four semi-dwarf roostocks: five-year summary of the 1994 NC.140 dwarf roostock trial. J. Amer. Pomol. Soc. 54:84-9.

Lickfeldt, D.W., A.M. Hamblin, and **T.B. Voigt**. To blend or not to blend...Questioning the common practice of using turf grass mixes. On Course Magazine, Sept. 2000.

Metz, M.A. and **M.E. Irwin**. Parasite-Host Relationships between Microtrombidiid Mites and Brachyceran Diptera: A Focus on Flies Belonging to the families Therevidae (Diptera: Asiloidea) and Tachinidae (Diptera: Oestroidea). Environmental Entomology, submitted.

Metz, M.A. and **M.E. Irwin**. CRIS report submitted. "Parasite-Host Relationships between Microtrombidiid Mites and Two Flies".

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Important Dates

January	15	Martin Luther King Day - UIUC Holiday
	16	Spring Semester Begins
	17-18	2001 Illinois Specialty Crop Conference, Chancellor Hotel, Champaign, IL
	17-19	Mid-Am Horticultural Trade Show, Navy Pier, Chicago, IL
	20	Herb Day 2001, Holiday Inn, Urbana, IL
	26	Research-Oriented Job and Information Fair, Illini Union
	30	Greenhouse Management Workshop, Brandywine Holiday Inn, Peoria, IL
February	5	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
	7-8	NRES Internship/Career Open House, Turner Hall, first and fifth floors.
	7	UIUC Faculty Retreat on Active Learning, Illini Union
March	2-3	ACES Open House: "Science All Around Us." 9 a.m.- 4 p.m., UIUC campus
	10	Forest Landowner Conference, Sissinawa, WI
	12	NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall
	24	Forest Landowner Conference, Holiday Inn, Quincy, IL
April	9	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
May	8	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
	28	Memorial Day - UIUC Holiday

Front Page News
Upcoming Events
Awards and Honors
Student News
Meetings Attended, Papers Presented
NRES Newsmakers
Personals
Other News
New Items from NRES Store
Conference Presentations
Publications
Important Dates
Credits

Credits

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Inside This Issue

Front Page News

Upcoming Events

Student News

Awards and Honors

Meetings Attended

Personals

Conference Presentations

Publications

Important Dates

Credits

Number 2, February 2001
University of Illinois at Urbana-Champaign

Rolfe Announces Results of Green Industry Survey

NRES Department Head **Gary L. Rolfe** announced the results of the department's 2000 green industry survey during a press conference at the Mid-Am Horticultural Trade Show, held January 17-19, 2001 in Chicago.

Speaking to an audience of green industry associations, growers, producers, and operators, Rolfe told the group that in 1999, "$3.95 billion was the combined value of green industry product sales, service receipts and end-user payrolls.

"I don't think anyone had a clue that the green industry was as large as it turned out to be. It's a very important piece of information that could help influence legislative initiatives and bring more research dollars to this important sector," Rolfe explained.

He anticipates that schools will use these results to attract more people to the industry, which faces a labor shortage.

There are more than 9,000 green industry businesses in Illinois, more than 2.3 million end-users of green industry products and services, and 2.9 billion dollars in net sales by product and service sectors in 1999. This places the industry ahead of corn ($2.56 billion) and soybean ($2.1 billion) production in economic importance to the state's economy. Green industry products and services combined total $3.28 billion in sales. With an approximate payroll of more than $1.74 billion, and a workforce of 160,000, it is estimated to have an overall impact of more than $8 billion in the Illinois economy.

The survey was designed by NRES researchers **Gene Campbell**, survey director, and **Dick Brazee**. Other members of the survey team include Jennifer Hall, horticulture graduate student, and the following NRES faculty: **Tony Endress**, **Tom Voight**, and **Daniel Warnock**.

More than 88% of total receipts are attributed to

landscape contractors and lawn care firms; about 6% to tree care; 4% to landscape design-only firms; 2% to interiorscape companies. Maintained turfgrass is about 1.544 million acres.

This U of I survey was sponsored in part by the College of ACES and a coalition of industry associations, including the Illinois Landscape Contractors Association and the Illinois Nurserymen's Association.

New Smart-Green Building Proposed

Gary L. Rolfe, NRES department head, announced that a faculty team, led by Associate Professor **William Sullivan** and Professor **Donald Briskin**, is investigating a smart-green building for NRES. This announcement was made at the NRES Faculty Retreat held January 9 at Allerton Park. The vision is that NRES will provide international leadership in the design and construction of a smart-green building — with Sullivan and Briskin working with NRES graduate students and academic professionals — that will fundamentally change the way science and education occur.

The building will be smart since plans are for it to utilize information technologies that enrich and strengthen NRES' research and educational efforts while limiting our impact on the natural environment in its construction and use. It will be green by incorporating technologies, standards and practices that promote personal and environmental health at a lower financial and environmental cost than currently accepted standards.

Inspiration for the new building's design will be drawn from two recently completed models. The first is at the Chesapeake Bay Foundation, which received the highest rating for excellence from the United States Green Building Council. The other is from Oberlin College, which just opened its Adam Joseph Lewis Center for Environmental Studies. This new building meets the Kyoto Standards for air emissions.

Alan Otterbacher Wins AP Award

Alan Otterbacher garnered the Academic Professional Award of Excellence for 2001 at the NRES Faculty Retreat held January 9. He retired in December 2000 from his position as principal research specialist in agriculture after 35 years of service. Alan was first employed by the Department of Horticulture in the summer of 1963 when he was an undergraduate student. He worked with Dr. Zych as a pomological intern. During his career at the U of I, Alan has worked creatively to guide and maintain a dynamic research program in small fruits viticulture. He has served as a researcher, writer, Pomology Research Farm Coordinator, guest lecturer, invited speaker, teacher, and student supervisor.

Alan's unique research contributions include plant pathology, small fruit breeding, patents, tissue culture raspberries, and cultural and physiological studies. Otterbacher, along with Professor **Bob Skirvin**, holds the patent for "Illini Hardy" blackberries which are being patented by the U of I patent services. This variety has been licensed to Nourse Nurseries in South Deerfield, MA and has been released to the public. In conjunction with various faculty members, Alan has published 73 extension reports, bulletins, and fact sheets. He also has 19 refereed journal articles.

In the last four years, his research has been centered on grapes and grape production. He was asked to research the "Lincoln" apple for President Lincoln's Springfield, IL home restoration by the curator of the Lincoln Collection at the state Historical Library in Springfield.

We wish Alan the best in his retirement, and sincere congratulations on a well-deserved award!

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Upcoming Events

College of ACES Phone-A-Thon

The ACES Phone-A-Thon is just around the corner: February 4-7, 2001, from 6-9:30 p.m. in 426 Mumford Hall. The event, sponsored by the Student Advancement Committee (SAC), allows volunteer students and faculty to call College of ACES alumni and friends to ask for their financial support to continue the student and faculty enrichment programs in the college. In the past, faculty members participated and it would be great to see more faculty and staff help the students raise money for this wonderful college. As a bonus, faculty door prizes will be given away every night of the Phone-A-Thon. If you are interested in participating, please e-mail Phone-A-Thon Recruitment Chair **Ashley Corzine** at acorzine@uiuc.edu with the night you would like to work. Thanks for your support.

Nothing Smells Sweeter Than A Rose...

The Hort Club will be selling roses and cyclamen on Valentine's Day in the Plant Sciences Laboratory lobby and in the hall outside of 104 Mumford. The sale will last from 9 a.m. to 5p.m. There is no advanced ordering for this sale. **Meredith Blumthal**, Hort Club president, says they will sell roses individually and by the dozen. A water tube is provided with each rose sold.

Graduate Student Symposium

February 17, 2001 is the date for the third annual Graduate Student Symposium from 9 a.m. to 4 p.m. in room B102 Chemical and Life Sciences Laboratories auditorium; a reception will follow. The Graduate Symposium is organized by the graduate students in Ecology and Evolutionary Biology and is sponsored by the Program in Ecology and Evolutionary Biology. Students, whose research is related to ecology and evolutionary biology, will represent at least five departments, including NRES. The symposium allows graduate students to gain experience presenting their work to colleagues and faculty. **Elizabeth Gault**, graduate assistant, encourages you to take the opportunity to attend and see the presented research.

IL Small Fruit and Strawberry Schools

This year's Illinois Small Fruit and Strawberry Schools will be held on March 6 and 7 at the Holiday Inn in Mt. Vernon, IL. Presentations on March 6 will focus on small fruit crops such as blackberries, blueberries, and raspberries. An afternoon session will feature recently retired Principal Research Specialist in Agriculture **Alan Otterbacher's** reflections on his career as a fruit researcher at the U of I. The Illinois Strawberry School will be on March 7, and will feature presentations on plasticulture, matted row strawberry production, and information on weeds, insects and disease, as well as a session for growers considering raising strawberries. Other NRES faculty and staff giving presentations at these schools include **Bronwyn Aly, Jeff Kindhart, Mosbah Kushad,** and **Bob Skirvin**. Registration is $20 per farm family and includes one copy each of the 2001 Proceedings and Spray Guide. For program information, contact Jeff Kindhart at University of Illinois, Rt. 1, Box 256, Simpson, IL 62985; Ph.: (618) 695-2444; email: KindhartJ@mail.aces.uiuc.edu.

Renewable Resource Conference Scheduled

The third Illinois Renewable Natural Resource Conference will be held on March 7-9 at the Holiday Inn City Centre, 500 Hamilton Blvd., Peoria, IL. This year's theme is "Partners in Progress: Integrating Natural Resource Management and Education." The format is designed to foster information exchange and promote the integration of natural resource policy, management, research and education in Illinois. Sponsors include the Illinois Chapters of the Wildlife Society, American Fisheries Society, Soil and Water Conservation Society, Society of American Foresters, and the Environmental Education Association. The agenda includes featured speakers, a plenary session, invited papers related to urban sprawl, exotic species, and forest-riparian issues, and oral and poster presentations, as well as the annual or spring meetings for each of the sponsoring associations. For a detailed agenda and registration information, contact **Aaron Yetter**, Illinois Natural History Survey, Forbes Biological Station, PO Box, 590, Havana, IL 62644; ph.: (309) 543-3950; email: ayetter@mail.inhs.uiuc.edu.

Wildlife Society Members Present at Allerton

Members of the Wildlife Society will present talks and nature walks at the Robert Allerton Park and Conference Center on a series of Saturdays: March 10, 17, 24, and

31, 2001, from 10 a.m. - 1 p.m. The event is being sponsored by private donations and a small subscription fee.

The presenters are part of a program for the general public, called the Allerton Friends Presentation, in which they will discuss issues and research on topics such as deer populations, tracking techniques, turkey populations, identifying flora, and the biodiversity of the park. Among the presenters from the Wildlife Society are **Dwayne Etter**, **Karmen Hollis**, **Patrick Hubert**, **Brian Piccolo** and **Chad Stewart**. Faculty are also on the list to present.

Chicago Flower and Garden Show

Time to smell the roses at the 2001 Chicago Flower and Garden Show, March 10-18, 2001 at Navy Pier, Chicago, IL. Plans are in place for over 30 different theme gardens and more than 90 how-to lectures. In addition, knowledgeable staff at over 200 product and educational booths, representing organizations such as the Chicago Botanic Garden, Morton Arboretum, Chicago Park District's Department of Conservatories, and the John G. Shedd Aquarium, will assist with your questions. Hours for the show are: Monday-Saturday, 10 a.m. - 8 p.m. and Sunday, 10 a.m. - 6 p.m. Tickets for adult admission are $9.50 on weekdays and $11.00 on weekends. A $2.00 discount on admission can be obtained at a number of Ace Hardware stores, as Ace is the presenting sponsor of the event. More details about the show can be obtained at their web site: http://www.chicagoflower.com.

New IWIN Course

"The Butterflies of Illinois," a new Illinois Wilds Institute for Nature (IWIN) course, will be offered June 19-21, 2001 at Richardson Wildlife Area, near Amboy in Lee County. The course will be taught by INHS Entomologist **John Bousemen** and UI Emeritus Professor of Entomology **James Sternburg**, who together have over 90 years experience with Illinois' butterfly fauna! They are also authors of a new book, *The Butterflies of Illinois*, published by the Natural History Survey and available in early 2001. For more information about this unique opportunity, contact IWIN registrar **Susan Post** at 217/493-9959 or **Michael Jeffords**, adjunct professor, at 217/333-5986. The course fee has yet to be determined and the enrollment limit is 25.

Biodiversity Blitz, Illinois Natural History Survey

The Illinois Natural History Survey will lead a Biodiversity Blitz, a one-day all-taxa survey conducted by professional biologists and natural resource personnel. It will be held at Robert Allerton Park in Monticello, IL on June 29-30, 2001, and run for 24 hours - 2 p.m. Friday until 2 p.m. Saturday. For more information about the Biodiversity Blitz, contact organizing committee chair **Michael Jeffords**, adjunct professor, at 217/333-5986 or email jeffords@uiuc.edu.

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Student News

New Graduate Students in NRES

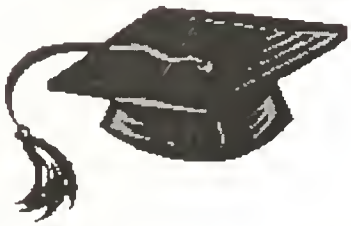
Please welcome six new graduate students that are seeking M.S. degrees in NRES. Their names and advisors are as follows:

Name	*Advisor*
Canonizado, Francis	William Sullivan
Gniadecki, Kimberly	Richard Warner
Martin, Jason	Edward Heske
Mwanza, Lydia	John Swiader
Ollier, Carole	Brenda Molano-Flores
Shafer, Jeremy	Jeffrey Dawson

NRES GSO News

The NRES Graduate Student Organization (GSO) held a meeting on November 28, 2000 with guest speakers Kate Bullard and Rob Henn from the university Graduate Employees Organization (GEO). An open discussion forum included GEO issues on membership, organization priorities, and future unionization. The goal of the GEO is to provide a voice for all graduate employees in the workplace.

In addition, members selected GSO departmental committees on which they can choose to serve. These committees include graduate policy, seminar planning, open house, and social activities. For further information on departmental committees for GSO members, contact Professor **Jack Juvik** at 333-1966 or j-juvik@uiuc.edu. Meetings will resume in February, 2001. Everyone is invited.



Congratulations NRES Graduates!

The following NRES students received degrees in December 2000:

M.S. Degree
Coyner, Matthew R., NRES-Hort Science, Advisor-Robert Skirvin
Keller, Lawrence W., NRES-Fish & Wildlife, Advisor-Richard Warner
Lum, Quenby, NRES-Forestry, Advisor-Guillermo Mendoza
Mulongwe, Lishomwa, NRES-Plant Physiology, Advisor-Jeffrey Dawson
Parker, Robert R., NRES-Restoration Ecology, Advisor-Ken Paige

B.S. Degree
Arnold, Travis H., Forestry-Forest Science
Bick, Scott J., NRES-Biological Sciences
Buszkiewicz, Kelly L., NRES-Biological Sciences
Gaede, Jeffrey S., NRES-Biological Sciences
Humm, Christine M., Horticulture-Production & Management
Joyce, Marisa L., NRES-Biological Sciences
Kovarik, Jennifer A., NRES-Biological Sciences
Maskel, Shawn H., NRES-Biological Sciences
Melket, Jenelle L.A., NRES-Social Sciences
Montgerard, Leisha K., NRES-Biological Sciences
Parra, Lydia I., Horticulture-Production & Management
Platzbecker, Nicholas S., Horticulture-Production & Management
Ropp, Jeremy R., Landscape Architecture and Horticulture-Production & Management
Scoggin, Kyle J., Horticulture-Horticulture Science
Shaw, Rachel A., Horticulture-Production & Managementq **Taylor, Jessica G.S.**, Horticulture-Production & Management
Wachala, Katherine J., NRES-Biological Sciences

Corporation Searches on the Web

Jeff Coates at the UI Foundation says that their research department uses the following websites when conducting corporate research, and thought they might be useful to others during a job search:

www.hooversonline.com - This site provides short biographical sketches on public and private companies. It will either provide estimated or actual annual sales from the previous year, a short list of top corporate executives, and a link to the company's home page.

www.corporateinformation.com - This site is unique in that it allows you to research a company by name or ticker symbol, to research a particular industry in a variety of countries and languages, and will also allow you to research corporations and industries by individual states in the United States.

www.companiesonline.com - This site is a business only link that was put together through a joint effort of Lycos and Dun & Bradstreet. The free section of the site allows you to search by company name. The results of a query include the corporate address for the headquarters, total employees, annual sales and all url links for that company.

www.tenkwizard.com - This site provides access to all corporate public filings to the Securities and Exchange Commission dating back to 1994. It is searchable by company name, ticker symbol or through a basic word search.

One final tip: be sure to go to the company's homepage to find relevant information. Nowhere else will you find such in-depth information solely dedicated to the issue at hand.

NRES Denim Shirts Now on Sale

New denim long-sleeve shirts with an orange Illini "I" and the NRES department name and University of Illinois embroidered in navy are now available in W-503 Turner Hall, for the low price of $25.00. Sizes available include: S, M, L, XL, L Tall, XL Tall, and XXL Tall. Show your NRES spirit by purchasing one of these attractive shirts!

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Awards and Honors

John Andresen Recognized for WEAR

Lieutenant Colonel (Ret.) **John W. Andresen** was recognized on December 7, 2000 (Pearl Harbor Day) as the initiator of the "We are all recruiters" (WEAR) exhibition at the Octave Chanute Aerospace Museum in Rantoul, Illinois. Around 40 U.S. Department of Defense contributors mounted an array of sub-exhibits at the museum. Andresen, emeritus professor of urban forestry, says, "The intent of WEAR is to encourage teenage men and women to volunteer in the Air Force, Army, Marine Corps, and Navy."

Little is Council Liaison

Dick C. Little, who formerly served on the External Advisory Committee, was named Council Liaison with the Illinois Forestry Development Council by **Gary L. Rolfe**, NRES department head, effective January 1, 2001.

Little recently retired from the Illinois Department of Natural Resources, where he served for over 22 years in several key positions, including: federal aid grant administrator, section manager for the Forest Resource Program Development Section, forest planner, and long range resource planner. In addition, he served for 11 years with the Illinois Department of Transportation, Division of Water Resources in land management. He earned both a B.S. and M.S. in Forestry from Southern Illinois University at Carbondale, and graduated from the U.S. Army War College, Carlisle Barracks, Pennsylvania.

Promotions for Davidson and Kruidenier

Christy Davidson, research specialist in agriculture, at C-507 Turner Hall, was recently promoted to academic professional under the direction of Professor **Mark David**. She previously worked for Professor David as a student in NRES. Her new responsibilities include collecting water samples in the greater Champaign area, as well as doing laboratory and data analysis on the samples. She joins **Karen Starks** and **Todd Royer**, who are also on Professor David's professional staff.

William Kruidenier, principal research specialist in

agriculture, at 206 Vegetable Crops Building, was also recently promoted to an academic professional position. He previously served 13 years as executive director of the International Society of Arboriculture (ISA). Prior to his position with ISA, Kruidenier worked for the City of Urbana for 11 years. He began there as the landscape architect and concluded his service as the city arborist.

Within NRES, Kruidenier is fostering relationships within the green industry, contributing to research on vegetation and crime through the Human-Environment Research Laboratory (HERL), assisting with conceptual development of the smart-green building, working with ACES on the Great Rivers Research and Education Center, and assisting the Illinois Forestry Council.

Congratulations, Christy and William!

Grants for Beach and Donnelly

The following undergraduate students in NRES received grants for research on endangered plants:

Shannon Beach received a Jonathan Baldwin Turner Undergraduate Research Scholarship for spring semester 2001 for $1000 for her project entitled "Reproductive Potential of *Lesquerella ludoviciana*, an Endangered Illinois Plant." This scholarship was offered through ACES. Shannon also received a Special Undergraduate Research Experience (SURE) Grant from the Environmental Council for $2000 for the same project. **Janice Coons**, visiting associate professor, is her mentor.

Kevin Donnelly also received a Special Undergraduate Research Experience (SURE) Grant from the Environmental Council for $2000 for his project entitled "Influence of Cytokinins on Shoot Initiation and Elongation of *Stylisma pickeringii*, an Endangered Plant in Illinois." Janice Coons and **Mary Ann L. Smith**, professor of plant physiology, are his mentors.

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Meetings Attended

Cloyd Attends Pest Control Conference

Raymond A. Cloyd, assistant professor, attended the 65th Annual Purdue Pest Control Conference in January 2001 at Purdue University in West Lafayette, IN. This conference is nationally and internationally recognized for providing updated information on urban and structural pest management. In addition, there is a trade show in which exhibitors demonstrate products used for dealing with urban and structural pests.

Residential Landscape Seminar

William Sulllivan, associate professor, reports that 115 individuals, including NRES students **Jonathan Garcia, Rebecca Hall, Timothy Kazmierczak, Sarah Miller, Kyle Orr, Brina Young,** and **Suzanna Zarlengo** participated in the annual residential landscape design seminar that he led for the Illinois Landscape Contractors Association. **Karim Al-Juboory** (NRES Ph.D. 1992) also attended, as part of our group of students.

The seminars included five concurrent courses: Public Area Design, Private Area Design, Planting Design, Hardscape Design, and Drawing for Sales. Eleven members of the ILCA help lead and teach the classes including alumni Leo Kelly and Jeffery True. The seminars were held in Hoffman Estates, IL in January 2001.

Herb Day 2001 A Success!

Herb Day 2001 was held January 20 at the Holiday Inn Hotel and Conference Center in Urbana. **Chuck Voigt**, research specialist in agriculture, reports that there were 221 participants, representing six Midwestern states. ACES Dean **David Chicoine** joined these herb fanciers for lunch.

Lecture topics included landscaping with herbs, herbal medicine, cooking with herbs, new ideas with herbs and edible flowers, and herbal celebrations throughout the year. Program evaluations were very favorable. In addition to educational sessions, 18 vendors sold a wide variety of herbal and gardening products. Everyone

present enjoyed this day devoted to herbs and herb gardening.

Participants from NRES included two speakers: Professor **Don Briskin**, and **Jim Schmidt**, horticulturalist in Extension. Those assisting included Crops Testing Technician **Ken Horn**, Extension Specialist **Denny Schrock**, Assistant Professor **Tom Voigt** and his wife Debby, **Pat Gould**, and Technical Associate **Dianne Noland**. Chuck Voigt, founder and coordinator of the event, wishes to extend his thanks to these helpful friends and colleagues. This program has quickly established itself as an annual favorite among Master Gardeners and other herb enthusiasts in the Midwest.

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Personals

Ray Sanden Retires

Ray Sanden, account technician II in the NRES Business Office, resigned on January 19, 2001. A going-away party with Business Office staff was held in his honor at LePeep restaurant on his last day. In Ray's absence, **Carrie Konstanty**, extra help office assistant, will assume responsibilities for all check deposits, assignment of inventory numbers and maintaining NRES inventory records.

Dorinda Miller On Leave

Dorinda Miller, staff clerk in the Business Office, will be taking a two-month leave of absence to concentrate on union contract negotiations starting February 5, 2001. **Kelly Sullan**, Accountant I in the Business Office, will assume all purchasing-related responsibilities during Dorinda's absence. For those individuals with P-Card reconciliations handled by Dorinda, please submit all information to Kelly Sullan for processing.

NEW FACES

Mona El-Osta and **Steven Cooke** have recently joined NRES as academic hourly employees. Mona will assist Associate Professor **Timothy Ellsworth** and Steven will work with Assistant Professor **Robert Hudson**. Welcome aboard!

Join us in welcoming **Qiaojue Yu** as a new graduate hourly employee assisting Associate Professor **William Sullivan** in Landscape Design and **Lydia Mwanza**, a new graduate research assistant working with Associate Professor **John Swiader** in vegetable crops. Another new graduate research assistant is **Todd Wildermuth**, who is assisting **Eric Freyfogle**, an NRES Affiliate. **Carole Oliver** is a new graduate research assistant working with **Brenda Molano-Flores**, adjunct assistant professor.

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Other Departments, Units, and Divisions within the College of ACES

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Conference Presentations

62nd Midwest Fish and Wildlife Conference

Faculty and students of NRES were well represented at the 62nd Midwest Fish and Wildlife Conference, held December 2000, in Minneapolis, MN. Adjunct Professor **Craig Miller**, **Tim Van Deelen**, Associate Professor **Pat Brown**, Professor **Dick Warner** and students **Brian Piccolo** (MS), **Karmen Hollis** (PhD), **Dwayne Etter** (PhD), **Todd Gosselink** (PhD), and **Jenny Schaust** (MS) presented the following papers:

D. R. Etter, K. M. Hollis, T. R. Van Deelen, J. L. Aycrigg, R. E. Warner. Spatial analysis of geographic differences in survival of white-tailed deer in a fragmented urban habitat.

T. E. Gosselink, T. R. Van Deelen, and R. E. Warner. Red fox dispersal in Central Illinois.

T. E. Gosselink, T. R. Van Deelen, R. P. Larkin, R. M. Sabick, and R. E. Warner. Development and testing of a leg-hold trap monitor system for canids.

K. M. Hollis, C. Anchor, J. Chelsvig, D. R. Etter, R. E. Warner, and L. L. Hungerford. Radio-telemetry and geographic information systems to assess urban deer zoonosis.

C. A. Miller. Comparison of hunting patterns and behavior between Illinois residents and non-resident hunters.

B. P. Piccolo, K. M. Hollis, R. E. Warner, T. R. Van Deelen, D. R. Etter, and C. Anchor. Searching strategies and techniques for capturing neonate white-tailed deer fawns around Chicago, Illinois.

J. L. Schaust and P. W. Brown. Avian use of restored wetlands at Richardson Wildlife Foundation, Illinois.

L. B. Suloway, M. Joselyn, and P. W. Brown. Inventory of resource-rich areas in Illinois.

T. R. Van Deelen, J. L. Aycrigg, P. W. Brown, M. G. Joselyn. Wild turkeys in the prairie state: modeling habitat across Illinois landscapes.

The following poster was also presented at the conference:
Piccolo, B.P., K. M. Hollis, R. E. Warner, T.R. VanDeelen, D.R. Etter, and C. Anchor. 62nd Midwest Fish and Wildlife Conference, December 2000, Minneapolis, MN. Variation of white-tailed deer home ranges in fragmented urban habitats around Chicago, IL.

Raymond Cloyd's Speaking Circuit

All About Grubs-ID, Biology, and Control [Collaboration with P. L. Nixon] (November 2000. North Central Turfgrass Exposition, St. Charles, IL).

Entomology: What's Bugging You (January 2001. Peoria County Extension Office, Peoria, IL).

Everything You Wanted To Know About Spider Mites--But Were Afraid To Ask (January 2001. Olympic Horticultural Products Annual Meeting, Key West, FL).

How to Improve Performance of Pest Control Materials (January 2001. Central Illinois Greenhouse Management Workshop, Peoria, IL).

The Impact of Parasitoids on Japanese Beetle Populations (November 2000. North Central Turfgrass Exposition, St. Charles, IL).

Insect Identification and Current Management Options (January 2001. Central Illinois Greenhouse Management Workshop, Peoria, IL).

Insect Management and Biocontrols (January 2001. North Carolina Green N' Growin' Show and Floral Exposition, Winston-Salem, NC).

New Trends in Insect Control in the Greenhouse and Landscape (January 2001. North Carolina Green N' Growin Show and Floral Exposition, Winston-Salem, NC).

The Role of Extension in Implementing Biological Control in Greenhouses and Other Interior Plantscapes (December 2000. Entomological Society of America Annual Meeting, Montreal, Canada).

Up-Date on Greenhouse and Landscape Pest Control Materials (January 2001. 27th Southern Illinois Bedding Plant School and Trade Show, Belleville, IL).

Daniel WarnocK-Guest Speaker

Daniel Warnock, assistant professor, was a guest speaker at the Southern Illinois Bedding Plant School in January 2001. His presentation, entitled "Thoughts on energy conservation in greenhouse facilities," was well received.

Publications

Allen, C.E., **R.G. Darmody**, C.E. Thorn, J.C. Dixon, and P. Schlyter. 2001. Clay mineralogy, chemical weathering, and landscape evolution arctic-alpine Sweden. Geoderma 99(3-4):277-294.

Baker, J., M. Benson, **R. Cloyd**, J. Faust, J. Gibson, R. Jones, D. Pitchey, P. Nelson, R. Campbell, P. Thomas, and B. Whipker. 2000. PICT Guide for Pansy Disorders. North Carolina State University. 55 pgs.

Cloyd, R. A. 2001. Pest management: Two-spotted spider mite. Greenhouse Business Vol. 6, No. 12: 20-21.

Cloyd, R. A. November 2000. Effect of water pH on pest control materials. Greenhouse Management & Production 20(11): 78-79.

Cloyd, R. A. 2000. Earwigs. Entomology Fact Sheet, NHE-142. Department of Natural Resources and Environmental Sciences. University of Illinois Extension.

Cloyd, R. A. 2000. Efficacy of selected insecticides against citrus mealybug on coleus. Arthropod Management Test 25: 380.

Cloyd, R. A., and C. S. Sadof. 2000. Efficacy of two different formulations of acephate against western flower thrips. Arthropod Management Test 25: 380-381.

Cloyd, R. A., and **P. L. Nixon**. 2000. Slugs. Entomology Fact Sheet, NHE-84. Department of Natural Resources and Environmental Sciences. University of Illinois Extension.

Cloyd, R. A., and **P. L. Nixon**. 2000. Multicolored Asian lady beetle. Entomology Fact Sheet, NHE-161. Department of Natural Resources and Environmental Sciences. University of Illinois Extension.

Nixon, P. L., and **R. A. Cloyd**. 2001. Managing insects and mites on woody ornamental plants, pp. 61-77. *In* Commercial Landscape and Turfgrass Pest Management Handbook. University of Illinois Extension. University of

Illinois, Champaign-Urbana. 150 pgs.

Weinzierl, R., and **R. Cloyd**. 2001. Insect pest management for commercial vegetable crops, pp. 145-176. *In* Handbook Illinois Agricultural Pest Management Handbook. College of Agricultural, Consumer, and Environmental Sciences, University of Illinois Extension. 310 pgs.

Vining, J., E. Tyler, & B. Kweon, 2000. The psychology of environmental restoration. *In* P. H. Gobster and R. B. Hull, Restoring Nature: Perspectives from the Social Sciences and Humanities. Island Press, 143-162.

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Important Dates

February	4-7	Colleg of ACES Phone-A-Thon, 426 Mumford Hall
	5	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
	7	UIUC Faculty Retreat on Active Learning, Illini Union
	7-8	NRES Internship/Career Open House, Turner Hall, first and fifth floors.
	17	Graduate Student Symposium, B102 Chemical and Life Sciences Laboratories Auditorium
	23-24	ACES Alumni Association Board Retreat
March	2-3	ACES Open House: "Science All Around Us." 9 a.m.- 4 p.m., UIUC campus
	6-7	Illinois Small Fruit and Strawberry School, Holiday Inn, Mt. Vernon, IL
	7-9	Illinois Renewable Natural Resource Conference, Holiday Inn City Centre, Peoria, IL
	10	Forest Landowner Conference, Sissinawa, WI
	10-18	Chicago Flower and Garden Show, Navy Pier, Chicago, IL
	10, 17, 24, 31	Wildlife Society Meetings at Allerton Park, Monticello, IL
	12	NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall
	24	Forest Landowner Conference, Holiday Inn, Quincy, IL
April	7	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
	16	ACES and Paul A. Funk Recognition Awards Gala
	19	Gamma Sigma Delta Spring Banquet; 6 p.m.; Illini Union Room B
	27	ACES Faculty Meeting (Annual Business Meeting); 3 - 5 p.m.; 150 Animal

		Sciences Lab; Program: The State of the College
	29	ACES Student Awards Banquet; 11 a.m. - 2 p.m.; Park Inn International & Illini Conference Center, Urbana
	30	Campus Instructional Awards Banquet; 5:30 reception in Illini Union South Lounge: 6:30 dinner in Illini Rooms A-B-C
May	8	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
	13	Commencement
	28	Memorial Day - UIUC Holiday
October	4	ACES Library, Information and Alumni Center Dedication (early afternoon, outside of the new building.

Front Page News
Upcoming Events
Student News
Awards and Honors
Meetings Attended
Personals
Conference Presentations
Publications
Important Dates
Credits

Credits

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Joy Scrogum, student writer

NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

NRES Department of Natural Resources and Environmental Sciences

News

www.nres.uiuc.edu
College of Agricultural, Consumer and Environmental Sciences

Number 3, March 2001
University of Illinois at Urbana-Champaign

THINK SPRING!

UPCOMING EVENTS

ACES OPEN HOUSE - "SCIENCE ALL AROUND US"

The 12th annual ACES Open House will be held Friday and Saturday, March 2-3, 2001 from 9 a.m. – 4 p.m. at the Plant Sciences Laboratory, Agricultural Engineering Sciences Building and the Stock Pavilion. The theme of this year's open house is "Science All Around Us."

Be sure to stop by the Plant Science Laboratory and visit the following NRES booths:

????Take a look at the Tropics: It's All in the Conservatory
????The Insect Place: Get Up Close and Personal in this Insect Petting Place
????The Good, the Bad and the Ugly: The World of Illinois Insects
????The Asian Longhorned Beetle: A Little Insect Bugging Big Cities
????Insects of Trees and Shrubs
????Secret Agent Worms: Their Role in Agriculture
????One Thrip, Two Thrips, Red Thrips, Blue Thrips
????Snakes and Birds: Oh My!
????Soil All Around Us: Soils of Illinois
????Friends of the Grand Prairie

Activities:

????Fun for the Kids: Hands-on activities hosted by the Student Horticulture Club
????Make your own Secret Agent Worm

Demonstration:

????Beauty and the Beat – Floral Design to Music

Check out the NRES booths in the Stock Pavilion:

????Illini Foresters: Plant a Tree and Take it Home
????The Illinois Steward
????ABC's of Selling Timber
????Chain Saw Safety
????Kenaf: The Fiber of the Future?

Members of the Open House committee include: **Chuck Voigt**, chair; **Maggie Alario, Mike Bolin, Poo Chow, Monica David, Tom Fermanian, Richard Larson, Mosbah Kushad, Jim Lang, Karyn McDermaid, Dianne Noland, Bill Simmons**, and **Patrick Weatherhead.** Be sure to visit the ACES Open House website at www.aces.uiuc.edu/openhouse/ for more information.

BRANHAM NEW UNDERGRAD COORDINATOR

Associate Professor **Bruce Branham** has agreed to serve as the NRES Undergraduate Coordinator for the next academic year. Bruce will replace Professor **John Hassett,** who has done an exceptional job as coordinator over the past two years. Hassett plans to retire on May 21, 2001 after 31 years of teaching and research in the College of ACES.

INSIDE THIS ISSUE

Upcoming Events	1
Student News	3
Awards & Honors	4
NRES Newsmakers	4
Personals	5
Conference Presentations	6
Publications	7
Important Dates	7

REMINDER: TRI-STATE FOREST STEWARDSHIP CONFERENCE

As reported in the January 2001 issue of "NRES News," **Mike Bolin**, NRES Extension forester, will coordinate two tri-state forest stewardship conferences in March 2001. The first conference takes place at Sinsinawa Mound Center in Sinsinawa, WI on Saturday, March 10, for landowners from Wisconsin, Illinois and Iowa. The second landowner conference takes place at the Quincy Holiday Inn in Quincy, IL on Saturday, March 24, and includes landowners from Missouri, Illinois, and Iowa. NRES faculty members speaking at the conferences include: **Jim Appleby**, associate professor; **John Edgington**, principal research specialist in agriculture; and **Michael Jeffords**, adjunct professor. **Bianca Rios**, graduate student, and **Jeremy Shafer**, research specialist in agriculture, will assist Mike with the conferences.

NRES Student Moderators for 2001 Sinsinawa Tri-State Forest Stewardship Conference, L to R: **Nathan Woolery**, **Emily Jones**, **Aaron Leifheit**, **Wang Yun**, and **Indu Rupassara.**

ENVIRONMENTAL HORIZONS 2001

The 2001 Environmental Horizons Conference will be held on Monday, March 26 and Tuesday, March 27 at the Illini Union. Environmental Horizons is an annual, university-wide conference sponsored by the Environmental Council that displays the depth and breadth of environmental study and research at the U of I. The keynote speaker will be Dr. Paul Portney, president of Resources for the Future, a nonprofit, nonpartisan think tank located in Washington, D.C. that performs independent research on environmental and natural resource issues. His presentation, entitled "Environmental Quality and Environmental Regulation Over the Next 50 Years," is scheduled for March 26 from 3-5 p.m. in Illini Room A of the Illini Union.

Speakers at the conference who are NRES faculty, affiliates and INHS staff include: **Robert Darmody**, associate professor; **Steven R. Hill**, associate research scientist; **Colin Favret**, senior technical support scientist; and **Chris Dietrich**, adjunct assistant professor. Members of the Environmental Horizons planning committee include the following from NRES: **Larry Hanks**, assistant professor; **Evan Delucia**, NRES affiliate; **Michael Jeffords**, visiting associate professor; and associate professors **Richard Brazee** and **William Sullivan**.

A CAS/MillerComm presentation entitled "What's a Landscape? Smart Growth and Liveability in the 21st Century" will be given by Gerald W. Adelmann, founder of the Illinois and Michigan Canal National Heritage Corrider. It is scheduled for 7:30 p.m. March 27 on the third floor of the Levis Faculty Center, 919 W. Illinois St., Urbana. The conference will also include a poster/arts display featuring research and artistic projects related to the environment. In addition, breakout sessions on special topics will be held throughout the conference. For details concerning the times, topics, and exact locations of sessions, consult the Environmental Horizons website at http://www.environ.uiuc.edu/horizons2001/agenda.htm.

REGISTER FOR NEW IWIN COURSE

Illinois Wilds Institute for Nature (IWIN) is offering an eight-week course titled "Natural History Illustration II: Picture Nature with Colored Pencil." It will be held in 187 Natural Resources History Building, and will meet on Wednesdays from April 11 – May 30, 2001 from 12:10 – 12:55 p.m.

Come and join biologist and artist **Carie Nixon**, supportive scientist for INHS, and professional illustrator **Jill Mullett**, visiting research specialist in agriculture, in this course. The class is limited to 12 participants, so register early.

Four of the sessions include instruction, and four are studio classes. Students learn colored pencil techniques needed to draw nature subjects realistically.

Tuition for the course is $40.00 and includes all course materials and handouts. Students who took Natural History Illustration I and still have their supplies may register for the class for $25.

To register or for other inquiries, contact Susan Post at (217) 493-9959 or leave a message on voice mail at (217) 333-6659.

NRES INTERNSHIP & CAREER FAIR

The fourth annual NRES Internship & Career Fair, held in the fifth floor hallways of Turner Hall in February 2001, brought 27 companies representing environmental education, natural resource management, environmental consulting, natural resource research, and horticulture to the UIUC campus. This was a great opportunity for students to ask questions, make contacts, apply for summer internships, and interview for jobs. About 200 students attended the event.

This fair has grown tremendously since it began in 1998. The first fair was held in W-121 Turner Hall, with only eight exhibitors. **Karyn McDermaid**, NRES internship coordinator, chaired this event with support from **Mary Lowry**, student services coordinator; **Daniel Barnstable**, academic hourly; and **Colleen Hammel**, Secretary IV.

ACES PHONE-A-THON A SUCCESS

This year's ACES Phone-A-Thon, held February 4-7, raised a grand total in pledges of $63,715. The top night was Tuesday, February 7, with a total of $16,135 in pledges. **Wendy Pinkerton**, assistant director of development in ACES administration, said that the Illinois men's basketball win over Michigan State that night was a positive factor.

The event was sponsored by the Student Advancement Committee (SAC), and employed the aid of 150 student volunteers, three SAC advisors, and 25 ACES faculty and staff volunteers who called ACES alumni to ask for financial support for student and faculty enrichment programs in the college. Pinkerton said it was a "very successful fundraising effort."

INTERVIEW/RESUME WORKSHOPS

Karyn McDermaid, internship coordinator, and **Mary Lowry**, student services coordinator, hosted on-campus interviews in February 2001 by Pike Lumber, Ball Horticultural Company, Peace Corps and the Illinois Public Interest Research Group. Karyn and Mary also held two resume-writing workshops in February 2001 that attracted 40 NRES students. For information about interviewing, employment, internships and internship credit, direct your students to our NRES web page at http://www.nres.uiuc.edu. The web page also provides access to the NRES Employment Database and Internship Database (which now has over 130 listings!).

IRWIN TRAVELS TO SPAIN

Professor **Michael Irwin** and Evert Schlinger completed a three-week insect collecting expedition to the northern parts of Madagascar. They worked closely with an entomological collecting team of the California Academy of Sciences, headed by Dr. Brian Fisher. The efforts expended by Schlinger and Irwin, together with Malagasy researcher, Rin'ha, who successfully completed a six-month internship at NRES and the INHS, resulted in the discovery of several taxa important to the furtherance of the NSF grant held by Irwin and colleagues on the world systematics of the dipterous family Therevidae.

Before his return to Illinois, Irwin spent a week in Spain laying the groundwork for an NSF proposal on surveying the biodiversity of the arid zones in Spain. He was met in Madrid by Research Scientist **Gail Kampmeier**, an expert on biological specimen databasing. Together with Dr. José Luis Nieves of the National Museum of Natural Sciences, and Alberto Fereres, from the Department of Plant Protection, Consejo Superior de Investigaciones Cientificas, intensive discussions were held in Madrid, Granada, and Almería with interested researchers and administrators from each region. The groundwork is now in place to develop an appropriate proposal on arid land arthropod diversity.

GREEN INDUSTRY REPORT CORRECTION

Last month's lead story, "Rolfe announces Results of Green Industry Survey," should have included the following information: The survey was designed by a team of NRES researchers, led by **Gene Campbell**, Survey Director. Other NRES members of the survey team include **Jennifer Hall**, horticulture graduate student, and the following faculty members: **Dick Brazee, Tony Endress, Tom Voigt** and **Daniel Warnock**. The survey team and an Advisory Committee of Green Industry Representatives constructed 10 versions of the survey to better sample different parts of the Green Industry. Advisory Committee representatives were Tom Bolas, from the Illinois Landscape Contractors Association (ILCA); Earl Ferris from the Ornamental Growers Association of Northern Illinois (OGA); Carl Hopphan from the Illinois Turf Foundation (ITF); and Gary Weber from American Society of Landscape Architects (ASLA).

STUDENT NEWS

HUARACHA RECEIVES AWARD

Congratulations to **Ernesto Huaracha**, graduate student working in Professor **Schuyler Korban's** laboratory, on receiving the 2000 Graduate Student Award from the Michigan Horticultural Society. Ernesto was presented with a certificate and a monetary ($1,000) award at a ceremony held at Grand Rapids, MI on December 9, 2000. This is the first time that the Michigan Horticultural Society has selected an out-of-state student to receive one of four awards that were presented to graduate students.

NRES GSO MEETING ANNOUNCEMENT

Jack Juvik, professor of plant genetics, will talk to NRES graduate students at the next meeting of the NRES Graduate Student Organization, March 6. Jack will discuss the role of graduate students on departmental committees. GSO President **Karmen Hollis** invites all grads to meet with Jack and get to know the other grads in NRES. The group will meet in W-209 Turner Hall at 5 p.m. Questions about the meeting or general NRES GSO issues can be directed to the following officers:

Karmen Hollis	President	k-hollis@uiuc.edu
Renee Potera	Treasurer	rfmitche@uiuc.edu
Melinda Merrick	Secretary	mmerrick@uiuc.edu

HORT CLUB NEWS

The Hort Club would like to thank all those who supported them in their Valentine's Day flower sale. They sold 250 red and 100 pink roses by 4 p.m. Red, white, pink and purple cyclamen are still available for $6 in a 6" pot. If anyone is interested in purchasing one, contact **Meredith Blumthal**, hort club president, at mblumth@uiuc.edu or **Kevin Donnelly**, grower, at kpdonnel@uiuc.edu.

The Hort Club invites you to see their booth at the ACES Open House, March 2 and 3 in the Plant Sciences Laboratory.

Their next big event is the Mom's Day Flower Show, on April 21-22, in the Stock Pavilion. Hope to see everyone there.

ILLINI FORESTERS NEWS

Cruising down the river with the Illini Foresters! A camping/canoeing trip to Salt Fork is tentatively scheduled for April 7 and 8, 2001, according to **Andy Wickenhauser**, president of the Illini Foresters. Details on the two-day float trip are forthcoming. You can write to Andy for more information: wicknhsr@students.uiuc.edu.

The annual Illini Foresters' Club Banquet will take place April 17, 2001 at the Park Inn, Urbana, IL. The awards event will begin with a social hour at 5 p.m., followed by dinner at 6 p.m. Cost is $15 per person. Contact Emily Warren, Illini Foresters' secretary, for more information: ewarren@uiuc.edu

AWARDS & HONORS

TWO NEW FELLOWSHIP WINNERS

Two scientists from Europe have been awarded fellowships to work with **Lee Solter**, affiliate assistant professor, on pathogens of the gypsy moth and brown-tail moth. **Daniela Pilarska**, Bulgarian Academy of Sciences, Institute of Zoology, has been awarded a Fulbright Fellowship for a cooperative research project entitled "Variability within species and taxonomic relationships between microsporidian pathogens occurring in Central European populations of Lymantria dispar and Euproctis chrysorrhoea." Pilarska will arrive in late 2001 for a five-month stay. **Gernot Hoch**, currently at Universität für Bodenkultur, Vienna, Austria, has been awarded an Austrian Government Fellowship for his proposed study "Parasitoid-induced alteration of the immune response of *Lymantria dispar* larvae to permissive and nonpermissive microsporidian infections". Hoch will work with Solter as a postdoctoral fellow for one year.

SMITH ANNOUNCES TWO GRANTS

Professor **Mary A.L. Smith** announces the following two grants:

Smith, M.A.L., D.S. Seigler, and J. M. Pezzuto. (2/2000) Biological Activity of Natural Proanthocyanidin Mixtures. National Center for Complementary and Alternative Medicine. National Institute of Health. R21 Proposal. $250,000 [direct costs]; Awarded: $375,472 [direct & indirect]/2 years.

Weaver, C.M. (PI and Center Director) with 24 other investigators. (3/2000) Botanical Center for Age-Related Diseases. OD-00-004 Centers for Dietary Supplements Research: Botanicals. Botanical Center for Age-Related Diseases. Dept. Health and Human Services. Public Health Service. Awarded: $7,823,234/5 years. (MAL Smith, subcontract $154,568/ 2 years).

WILKINSON ANNOUNCES THREE GRANTS

Professor **Henry "Hank" Wilkinson** announces the following three grants:

Wilkinson, H.T. and **A.M.Hamblin.** 2001. Scientifically Creating Bluegrass Blends with Greater Disease Resistance. Sod Growers Association of Mid-America. Illinois Turfgrass Foundation. International Turf Producers Foundation. Project budget: $33,000.

Wilkinson, H.T. 2001. Minimizing Water Requirements for Kentucky Bluegrass Sod Establishment. Sod Growers Association of Mid-America & Wisconsin Sod Producers Association. International Turf Producers Foundation. Illinois Turf Foundation. Project budget: $44,000/2 years.

Branham, B. and **H.T. Wilkinson**. 2001. *Poa annua* Management and Control in Sod Production: Developing an Integrated Program. $10,000/graduate student/ technician.

NRES NEWSMAKERS

Unique Garlic. In the January 21, 2001 edition of *The News-Gazette,* Anne Cook presented the highlights of Research Specialist in Agriculture **Chuck Voigt's** presentation at the Illinois Specialty Crop Conference. Chuck provided tips for planting, harvesting and using different varieties of garlic at the conference, which was held in January at the Chancellor Hotel and Convention Center. His research on garlic involves growing 35 different varieties at his test plots in the Kankakee area. "Garlic varieties are as unique and different as fine wines," he said.

Anne Cook of *The News-Gazette* also interviewed Voigt for a January 7, 2001 article on seed catalogs. In the article, he discussed current trends in seed catalog entries, his personal gardening preferences, and childhood memories

of reading seed catalogs. The article also highlighted the Illinois Specialty Crop Conference and Herb Day, an event that Chuck founded.

Thinking Green. News about the survey results from the Green Industry economic study attracted a lot of media attention. **Gary L. Rolfe**, NRES department head, spoke about the success of the green industry, announced as a $2.9 billion business in Illinois in 1999, in an interview (with Anne Cook) appearing in the February 18, 2001 edition of *The News-Gazette.* Related articles appeared in newspapers throughout the state, and Gary was interviewed on several local radio stations as well.

The green industry includes growers, wholesalers, retailers, and businesses that specialize in landscape design, lawn and tree care, and golf course management. Illinois researchers found that this industry generates more money on fewer than 100,000 acres in Illinois than corn does on about 11 million acres (corn generated sales of about $2.56 billion in 1999).

"We should start looking at it as an opportunity," Rolfe said. "We produce $5 billion worth of crops on 27 million acres, and $3 billion on less than 100,000 acres." As a result, he also hopes to strengthen NRES and boost enrollment in the academic disciplines that support the industry in Illinois.

DNA/Ryegrass Studies. Assistant Professor **Andrew Hamblin** and Professor **Hank Wilkinson** were featured in an article by Nancy Riggs entitled "Technology Guided Turf Research: University of Illinois research leads the way" on pages B1-B2 of the January 2001 edition of *Turf Central* magazine. Two of the main topics of the article were DNA science methods and finding disease resistant ryegrass.

In the article Wilkinson noted, "there is a mushrooming science of using DNA to identify genes and to put DNA into most organisms." The ability to transfer organisms allows researchers to study how that transformation occurs. "It's a very powerful tool to understanding DNA and how nature behaves," Wilkinson said.

Regarding the ryegrass study, Hamblin said: "We looked at about 400 worldwide ryes. We found a New Zealand line to be the most disease resistant, and we're currently looking mostly at that collection." Hamblin and associates will use the New Zealand rye in work to develop disease-resistant ryegrass.

Green Spaces. Assistant Professor **Frances Kuo** was recently interviewed by Greg Kline regarding her study on green spaces and their effect on the residents of the Robert Taylor Homes public housing apartments in Chicago, IL. The article appeared in the Monday, February 12, 2001 edition of *The News-Gazette.*

Kuo and her team trained some residents of the apartment complex to conduct a survey of fellow residents. The buildings that the surveyed residents lived in ranged from having a few trees and grass to no greenery, and they all lived in the first through fourth floors of their respective buildings.

As a result of the survey, the researchers found that people who lived in the few Robert Taylor buildings with trees, grass and other green spaces surrounding them were more likely to feel up to confronting life's challenges, such as poverty, unemployment, crime, family strife, and substance abuse than those that did not.

Carrot Quality. An article by Martin Ross on page 10 of the January 8, 2001 edition of *FarmWeek* featured **Bill Shoemaker**, UI Extension horticulturist, who discussed carrot production as a promising direct farm marketing opportunity. He said, "Consumers are beginning to recognize the quality of vegetables in the market isn't as good as it should be." Shoemaker further discussed this potential at a talk during the Illinois Specialty Crop Conference in Champaign, IL, held in January 2001. The talk was titled "Producing carrots in Illinois for direct marketing."

Disease Doctor. Professor **Hank Wilkinson** was interviewed by Anthony Pioppi at the North Central Turfgrass Exposition meeting and was featured in an article in the January 5, 2001 edition of *Golfweek's SuperintendentNEWS* on page 8. In the article, entitled "Quick Round with Henry Wilkinson: The disease doctor," he discussed dollar spot and other diseases in turf grass. Wilkinson said: "the biggest success we've had is that severity of disease in any given year has been quite a bit less. We don't have courses that are destroyed. Jobs are not lost nearly as often for that reason. That's almost an intangible measure of a pathologist's success or failure."

PERSONALS

WELCOME CARRIE KONSTANTY

Carrie Konstanty, who has been working as an extra-help office assistant, officially joined NRES as a permanent member of the Business Office staff on Monday, February 19, 2001. **Lisa Emerson**, resource and policy analyst, said that Carrie quickly established herself as a

valuable asset and is a welcome addition to the team.

Besides her receptionist and general administrative duties, Carrie is also responsible for all check deposits and maintenance of inventory records. You can reach Carrie in the Business Office at 244-9430 or at konstnty@uiuc.edu.

POST HAS NEW ASSIGNMENT

Susan Post resigned her position as research specialist in agriculture in January 2001 to take a new position as associate technical scientist at the Illinois Natural History Survey. She retains an affiliate status with NRES.

CHINEA RESIGNS

Danilo Chinea, assistant professor, resigned from his position in February 2001 to accept a new position in Puerto Rico as manager of the "Karst Project" at the USDA Forest Service, International Institute of Tropical Forestry. A potluck was held in his honor on February 20.

ANDRESEN HONORED

On February 9, 2001, Air Force Chief of Staff General Michael E. Ryan awarded Lieutenant Colonel **John Andresen** a commendation for his efforts in supporting the Air Force Volunteer Involvement Program. At present, General Ryan commands a force of 486,000 airmen and airwomen. Andresen, also an Emeritus Professor of Urban Forestry, has devoted 59 years to the Air Force in active, reserve, and retired services. He also recently received the bronze Recruiting Medallion from the 347th Air Force Recruiting Squadron.

CONDOLENCES

NRES expresses condolences to the family of **Scott Schaefer**, Ph.D. graduate student working in **Schuyler Korban's** laboratory, on the death of his mother, Mrs. Faith Schaefer. A memorial service was held on February 14 in Harvard, IL.

CONFERENCE PRESENTATIONS

Ken Robertson, adjunct professor, gave a presentation entitled "The Tallgrass Prairie Ecosystem in Illinois" to the Champaign County Audubon Society in February 2001. Forty people attended.

Adjunct Professors **Brenda Molano-Flores** and **Ken Robertson** gave a presentation entitled "Pollination on the Prairie" to Grand Prairie Friends at the Anita Purves Nature Center in Urbana, IL in February 2001. Brenda talked about plant breeding systems as they relate to prairies and prairie restorations, while Ken discussed the pollination syndromes of plants, especially those typical of prairie plants. Approximately 75 people attended.

Ken Robertson, adjunct professor, presented "The Tallgrass Prairie in Illinois" to the Natural Heritage Preservation Society at Eastern Illinois University, Charleston, IL in February 2001. The talk included an emphasis on the fire ecology of prairies.

Professor **Schuyler Korban** and **Mingliang Xu**, postdoctoral research associate, presented papers at the XI Plant Animal Genome Conference in San Diego, CA, held in January 2001.

Korban also presented an invited keynote talk on "Production and delivery of edible oral vaccines in plants" at the annual meetings of the American Phytopathology Society-Southern Division, held in Dallas, TX in January 2001.

Professor Korban presented two talks at the Illinois Specialty Crops Conference, Champaign, IL in Jan 2001. One was titled "Vaccines with a fruity flavor to eat" and the other "Going after the scab resistance gene."

Korban participated in the First Annual Regional Technology Showcase held at the University of Illinois in December 2000. This event was sponsored by the Technol-

In February 2001, **Karyn McDermaid**, senior research specialist in agriculture, presented an update of her research on public involvement methods in natural resource decision-making to the Executive Committee of the Illinois Conservation Congress in Springfield. McDermaid has been following the evolution and impact of the Illinois Department of Natural Resource's Conservation Congress from its inception in 1993. A summary of this research will be available in March 2001.

The Illinois Watershed Academy sponsored the second in a series of workshops on topics relevant to watershed partnership leaders, held January 31 -February 2. "Organizing for Success" featured the social and political dimensions of working in a watershed context. Experts from the University of Illinois, the Illinois Department of Natural Resources, the Illinois Environmental Protection Agency, USDA Natural Resources Conservation Service and the U. S. Army Corps of Engineers led sessions about building and maintaining effective coalitions, understanding the role of the planning process, running effective meetings, managing conflict, accessing governmental agencies, applying for environmental permits, and working with watershed professionals and volunteers. **Karyn McDermaid**, senior research specialist in agriculture, presented, "Knowing your Watershed: The Social Profile Approach," and **Deborah Cavanaugh-Grant**, research specialist in agriculture, gave instructions on how to write a successful grant. McDermaid, **Richard "Rip" Sparks**, visiting professor, and **Chris Johns**,

NRES Ph.D. student, served on the planning committee for the workshop.

The Illinois Watershed Academy was created at the University of Illinois in 1999 to support the efforts of leaders and volunteers of the state's watershed and ecosystem partnerships to improve ecosystem quality. The Academy brings together expertise from the University of Illinois and affiliated agencies to conduct workshops and develop companion curricula about important watershed and leadership topics. In addition to Sparks, McDermaid and Cavanaugh-Grant, the watershed academy includes the following NRES faculty: **Greg McIsaac**, **Gary L. Rolfe** and **Dick Warner** and NRES affiliates: **Ed Herricks**, **Dave Kovacic**, **Bruce Rhoads** and **Doug Austen**

Several researchers from NRES presented research results at the Annual Horseradish Grower's School in Collinsville, IL in January 2001. Participants included: Assistant Professors **Cathy Eastman** and **Andy Hamblin**, Senior Research Specialist in Agriculture **Jeff Kindhart**, Associate Professors **Mosbah Kushad** and **John Masiunas**, Post-Doctoral Research Associate **Margaret Norton**, Professor **Bob Skirvin**, and Research Specialist in Agriculture **Chuck Voigt**. The University of Illinois Extension office in Edwardsville sponsored the school and also published the proceedings.

NRES Affiliates **Lee Solter, Kate Higgs** and **Rob Wiedenmann**, of the INHS Center for Economic Entomology, attended the USDA Interagency Forum on Gypsy Moth and Other Invasive Species in Annapolis, MD, in January 2001. Lee presented an invited paper: "Pathogen-Host and Pathogen-Pathogen Interaction: Microsporidia vs. the Gypsy Moth", co-authored by M. Henn, **J. Siegel**, D. Pilarska, and **K. Higgs**. Lee and Kate also co-authored, with M. Keena, M. McManus, J. Cate and **L. Hanks**, a poster presentation entitled: "Infectivity of Rhabitoid Nematodes to the Asian Longhorn Beetle".

PUBLICATIONS

Bouzat, J.L., L.K. McNeil, H.M. Robertson, **L.F. Solter**, J. Nixon, J.E. Beever, H.R. Gaskins, G. Olsen, S. Subramniam, M.L. Sogin, and J. A. Lewin, 2001. Phylogenomic analysis of the alpha proteasome gene family from early diverging eukaryotes. J. Molec. Evol. 51:532-543.

Alario, M. and M. Bruen, 2001. Uncertainty and Controversy in teh Science and Ethics of Environmental Policy Making. The journal of Theory and Science. 2(1): in print.

Taylor, A.F., F.E. Kuo, and **W.C. Sullivan.** 2001. Coping with ADD: The surprising connection to green play settings. Environment & Behavior, 33(1): 54-77.

Kuo, F.E. 2001. Coping with Poverty: Impacts of Environment and Attention in the Inner City. *Environment & Behavior*, 33(1): 5-34.

IMPORTANT DATES

MARCH

2-3	ACES Open House, "Science All Around Us", 9 a.m. – 4 p.m., Plant Sciences Lab, Stock Pavilion, and National Soybean Research Lab
6-7	Illinois Small Fruit and Strawberry School, Holiday Inn, Mt. Vernon, IL.
7-9	Illinois Renewable Natural Resource Conference, Holiday Inn City Centre, Peoria, IL.
10	Forest Landowner Conference, Sissiniwa, WI.
10-18	Chicago Flower and Garden Show, Navy Pier, Chicago, IL
10,17,24,31	Wildlife Society Meetings at Allerton Park, Monticello, IL
11	NRES Faculty Meeting, 1:30 p.m., W-121 Turner Hall
24	Forest Landowner Conference, Holiday Inn, Quincy, IL.
26-27	Environmental Horizons 2001, Illini Union

APRIL

7	Faculty Meeting, 10 a.m., W-121 Turner Hall
16	ACES and Paul A. Funk Recognition Awards Gala
19	Gamma Sigma Delta Spring Banquet, 6 p.m., Illini Union Room B
21-22	Mom's Day Flower Show, Stock Pavilion
27	ACES Faculty Meeting (Annual Business Meeting); 3-5 p.m.; 150 Animal Sciences Lab; Program: The State of the College.
29	ACES Student Awards Banquet; 11 a.m. – 2 p.m.; Park Inn International & Illini Conference Center; Urbana
30	Campus Instructional Awards Banquet; 5:30 reception in Illini Union South Lounge; 6:30 dinner in Illini Rooms A, B, and C

MAY

8	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
13	Commencement
28	Memorial Day – UIUC Holiday

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University of Illinois at Urbana-Champaign

ATTEND THE MOM'S WEEKEND FLOWER SHOW

Celebrate spring at the Hort Club's 46th annual flower show and sale, held on Mom's Weekend, April 21 and 22 at the UI Stock Pavilion. Show times are 9 a.m. to 5 p.m. on Saturday and 9 a.m. to 2 p.m. on Sunday. The theme of this year's show is "The Art of the Garden," and the event will feature 13 different display gardens, including a display of cut floral arrangements that will be judged. The floral arrangement contest is open to everyone; to participate, bring your own container and $5 to the Stock Pavilion on Friday, April 20. The Hort Club will provide you with flowers for your arrangement. More information on the contest can be obtained from **Jennifer Gates**, chairperson for the Flower Show, at jkgates@students.uiuc.edu.

There will also be a sales area, where woody plants, perennials and annuals can be purchased. All plants purchased from the sales area can be taken home immediately. Plants may also be purchased from display gardens, and will be available for pick up at the Stock Pavilion on Sunday at 2:30 p.m. For a map to the Stock Pavilion, visit the NRES website at http://www.nres.uiuc.edu and follow the link from the homepage to information on the Flower Show.

STEWARDSHIP WEEK 2001 NEWS

Preparations are underway for their annual Stewardship Week program April 24 - 27 at the U of I Forest Resource Center, Dixon Springs Agricultural Center . **Diane Murphy**, event organizer and specialist in education, is busy scheduling 3,380 students in grades K-6 for the week's event. These students represent 43 schools from 14 counties in Southern Illinois. Due to the popularity of this program, another 2,152 students that signed up to attend this year have been placed on a waiting list for next year's program.

One of the most successful efforts of the Forest Resource Center has been the development of the Stewardship Week program, held each April . Stewardship Week is a regional outdoor environmental education program where students learn and experience what it means to be stewards of the land.

During Stewardship Week, teachers and their students trek through a series of scheduled stops at learning stations scattered across the Center's landscape. At each station, a resource professional leads a short program on his or her specialty. Thirty-two stations are offered each day, featuring twenty different topics, including forestry, wildlife, soil conservation, fisheries, natural heritage, and wetlands restoration. By the end of each day, students have attended six to eight of the presentations.

Stewardship Week has grown in popularity since it was first offered as Earth Week in 1990. More than 32,000 students have attended the event over the past eleven years. About 125 natural resource professionals representing 40 different co-sponsoring organizations are lending their talents to the program. Spin-off events are also held in northern, western, and southwestern Illinois in the fall, central and southern Illinois in the spring, and Chicago in the summer.

INSIDE THIS ISSUE

Upcoming Events	1
Student News	3
Awards & Honors	4
NRES Newsmakers	5
Personals	6
Conference Presentations / Meetings Attended	6
Publications	7
Calendar	7

CONGRATULATIONS, TEACHERS!

The March 28, 2001 edition of the *The Daily Illini*, pages 16 and 17, listed the following faculty on the "Incomplete List of Teachers Ranked as Excellent by their Students, Fall 2000": **C. Diane Anderson** (TA), **Tara Bhuthimethee** (TA), **Jason Carr** (TA), **Janice Coons** , **Jeff Dawson**, **John Edgington**, **Anton Endress**, **John Masiunas**, **Richard Mulvaney**, **Dianne Noland**, **Cory Rolfe** (TA), **James Schmidt**, **Robert Skirvin**, **Kara Sorensen** (TA), **Art Spomer**, and **William Sullivan**.

GRAD ASSISTANT DEADLINE

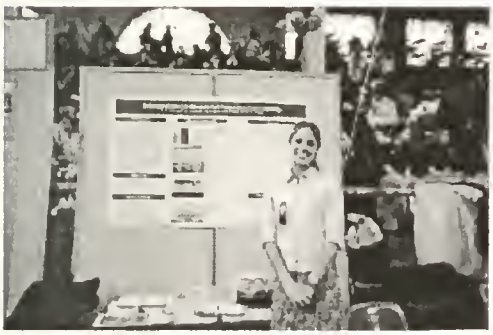
Faculty, be on the lookout for a memorandum regarding 2001 summer and fall graduate assistant appointments. The deadline to complete the information is at the end of April. Please return your completed form to **LuAnn Schiff**, staff clerk in the Business Office.

ACES OPEN HOUSE

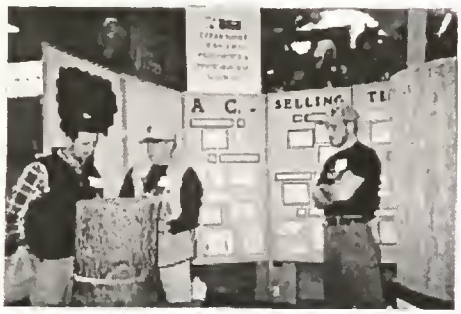
The 12th annual ACES Open House, with the theme this year of "Science All Around Us", took place March 2-3, 2001. Over 120 exhibits were featured and an estimated 20,000 people attended the two-day event.

NRES had 15 exhibits, some of which are included in the photos on below (the first by **David Riecks**, the others by **Anita Povich**).

Jim Schmidt, Extension horticulturist, complete with monarch butterfly wings, greets students from Next Generation preschool.



Senior **Sarah Yaremych** stands in front of her display titled "A Simple Method to Measure Soil Cation - Exchange Capacity."



Dan Anderson (L) and **Mike Bowlin** (C) discuss chainsaws and how to measure board feet while **Jeremy Shafer** (R) looks on at the forestry display, "ABCs of Selling Timber."

The "Beauty and the Beat – Floral Design to Music" demonstration by students of instructor **Dianne Noland** was again very popular this year. It has been a mainstay at the ACES Open House each of its twelve years.

Thanks go to all of the members of the ACES Open House committee for another successful event: **Chuck Voigt**, chair; **Maggie Alario**, **Mike Bolin**, **Poo Chow**, **Monica David**, **Tom Fermanian**, **Richard Larson**, **Mosbah Kushad**, **Jim Lang**, **Karyn McDermaid**, **Dianne Noland**, **Bill Simmons**, and **Patrick Weatherhead**. For more photos, visit the ACES Open House website at www.aces.uiuc.edu/openhouse/.

WARNOCK TRAVELS

Assistant Professor **Daniel Warnock** represented the College of ACES at the Technical and Economic Efficiencies of Producing, Marketing and Managing Environmental Plants S290 meeting in Mobile, Alabama in February 2001. Information on industry surveys and the state of the green industry in the central and southern United States was discussed.

Warnock also represented NRES at the National Floriculture Educators Forum at USDA Beltsville in February 2001. The meeting focused on web-based education, collaboration between universities for distance education, and certification programs. The meeting was a great follow-up to the faculty retreat in early January. Ideas for implementing better web-based classes included hybrid courses and a "national" university.

NRES 341, a Floriculture Crops Production course taught by Warnock, embarked on a two-day field trip to producers in the Chicago area in February 2001. Leider's Horticultural Companies, Rentokil, Inc., F. Clesen and Sons, Inc., and Shady Hill Gardens, who are producers of flowering potted plants, interiorscape plants, and perennials, hosted the class. Students were given a field experience directly related to the industry. Warnock thanks all of the industry representatives that hosted the class and NRES for subsidizing a portion of the transportation costs.

FIRST IGA NEWSLETTER

The first issue of the Illinois Greenhouse Association (IGA) Newsletter was published in January 2001. Assistant Professor **Raymond Cloyd**, the editor of the newsletter, formed the association during his first two years at the U of I. There are currently 64 paid members who will receive the newsletter, which is published quarterly.

PETER CAO PASSES DEFENSE

Dr. Peter Cao successfully completed and passed his thesis defense in March 2001, announced the Scientific Data Technologies Group in the Data Mining and Visualization (DMV) division. His thesis was entitled "Stochastic Dynamic Models of Plant Population and Species Abundance." His work was completed in NRES under the guidance of his thesis advisor, Professor **George Z. Gertner**.

GERTNER & FANG WORK WITH DOE

During Spring Break 2001, Professor **George Gertner** and Research Programmer **Shoufan Fang** met with researchers from the Department of Energy (DOE) Oak Ridge National Laboratory in Knoxville, Tennessee on a collaborative research effort related to uncertainty in environmental models used for the viability assessment of threatened and endangered bird species. At the beginning

of March they had similar meetings with researchers from DOE at Argonne National Laboratory, located in Argonne, Illinois.

FLORIST'S CONFERENCE

Assistant Professor **Raymond Cloyd** attended the Society of American Florists 17th Annual Conference on Insect and Disease Management on Ornamentals at the Sheraton Safari Hotel in Orlando, Florida in February 2001. This conference provided the latest information and research on managing insects and diseases in greenhouses and interior plantscapes. A field trip to three different nurseries around Orlando was included. Greenhouse managers, industry personnel, and university researchers attended the conference.

STUDENT NEWS

WILDLIFE SOCIETY NEWS

The activities committee for the U of I Student Chapter of the Wildlife Society (UISC) has been busy organizing this semester's events. After a busy fall semester, the chapter has picked up right where it left off this spring semester. On February 16, the club went to Richardson Wildlife Foundation in West Brooklyn, Illinois for a weekend retreat. Members participated in cleaning out wood duck boxes used from the previous nesting season and prepared them for the upcoming season. Members also scoured the property for antler sheds, went raptor watching, and ice fished.

In April, the UISC plans to assist the DeWitt County Chapter of Pheasants Forever with habitat management. The DeWitt Chapter has over 1000 acres of land and UISC members will help create wildlife food plots and assist with controlled burns.

The big trip this semester will be held on April 6-8 to Wolf Park in Battle Ground, Indiana. Members of UISC will receive a private, "behind-the-scenes" tour of the facility. On that same weekend, members plan on camping at Turkey Run State Park in Indiana. Bird watching, canoeing, and hiking are on the agenda.

Plans are also being made to become the official stewards at Harry Woodyard State Natural Area in Georgetown, Illinois. Chapter members will assist site manager Bob Szafoni with wildlife related projects, habitat restoration, and wildlife inventories such as bird surveys in April.

Many UISC members will also be conducting frog surveys this spring at selected wetlands near campus. This will be a part of a long-term monitoring project conducted by the university.

The UISC education committee has also been very busy this semester. In January, vice-president **Paul Strode** and member **Julie Dyar** traveled with Urbana Leal Elementary Cub Scout Troop to Forest Glen, Illinois where Julie presented a Native American craft project called the Winter Count and where Paul discussed Illinois mammals in the winter.

In late March, UISC member/falconer **Todd Coleman**, treasurer **Ron Davis**, and **Paul Strode** will travel to Urbana Youth Detention Center in Urbana, Illinois. Todd will do a presentation on birds of prey with his red-tailed hawk, Ron will talk about endangered bats with a live bat present, and Paul will present a slide show about ecological succession at Mt. St. Helens.

Also in late March, UISC president **Brian Piccolo** and members **Chad Stewart**, **Patrick Hubert**, **Todd Gosselink**, and **Shana Lavin** gave nature presentations at Robert Allerton Park in Monticello, Illinois.

Brian and Chad talked about how to age deer and the effects of deer browsing in bottomland forests, Patrick discussed turkeys in Illinois, and Todd and Shana gave presentations about coyote and fox ecology. On March 31, UISC members participated in a Project WILD environmental educator workshop. They used their new-found teaching skills in upcoming wildlife education programs for students in elementary and secondary schools.

In early April, UISC member **Karmen Hollis** will speak about careers in animal biology to girls in the math, science, and engineering clubs at Central High School, Champaign, Illinois. Also in April, UISC members **Jason Martin**, **Valerie Olinik**, and others will do a wildlife presentation for biology classes at St. Joseph-Ogden High School. The Anita Purves Nature Center in Urbana will provide live animals.

In June, UISC members will assist the Illinois Natural History Survey with the Biodiversity Blitz at Robert Allerton Park. This is a joint effort to inventory as much of the biodiversity at the park as possible in a 24-hour period.

To earn some money for the UISC account, the fund-raising committee just had a hot drink sale on campus and is working on a design for their new T-shirts, which will be ready for sale soon. For more information, check out the totally new and improved UISC website at: http://wildlifesociety.nres.uiuc.edu.

MORE HORT CLUB EVENTS

In March 2001, three Hort Club members competed at the Mid-American Collegiate Horticultural Society (MACHS) competition at Purdue University. **Joel Davidson** placed first and **Kevin Donnelly** placed third in the written exam. **John Garlisch** was elected as the

Sergeant-of-Arms for the 2001-2002 MACHS planning committee. Congratulations to these undergraduate students.

The Hort Club is sponsoring four students and two instructors who are attending the 60th National Intercollegiate Floral Crop Quality Evaluation Contest and Design Competition at California Polytechnic State University in San Luis Obispo, California, April 4-8, 2001. The top four scoring students enrolled in NRES 199, Qualitative Evaluation of Floriculture Crops, will be student judges. They include: **Joel Davidson**, **Molly Karnes**, **Kathy York** and **John Garlisch**. The coaches traveling with them are **Dianne Noland**, teaching associate, and **Marvin Carbonneau**, professor emeritus. **Denny Schrock**, Extension specialist, is also a coach. Noland notes that "we will see former Illini faculty now at Cal-Poly – Dave Wehner, Assistant Dean of Agriculture, and Barry Eisenberg, Horticulture Department Head," at the competition.

DEBATE IN NRES 219

The team of **Kate Severyns**, **Todd Lickfett** and **Ben Gutshall** won the second debate in NRES 219, Ecological Foundations for Ecosystem Management. The topic of the debate was "Salinity is the most pressing problem in the Salton Sea ecosystem." Professor **Anton Endress** judged the multiple team debate.

SUMMER INTERNSHIP INFORMATION

It's time to secure a summer internship or job. The NRES Internship Database (accessed via http://www.nres.uiuc.edu) contains information on over 157 internship and job opportunities. New announcements are frequently added, so check often. Information packets about writing resumes and cover letters and interviewing are available. For more information, contact **Karyn McDermaid**, NRES internship coordinator, at karynk@uiuc.edu.

GRAD STUDENTS AWARDED GRANTS

Congratulations to **Christopher W. Shade, Swarnamali I. Rupassara**, and **Matthew D. Wolfe,** recipients of $225 each in grant money, which will be applied toward the cost of travel to conferences where they present papers. **Mary Lowry**, NRES student services coordinator, reported that NRES sent forward three (the most we could forward) of the nine conference travel grant applications from NRES grad students, and all three of them were awarded funds.

Shade presented the paper *Spatio-terporal levels of stream nitrate in a small, agricultural "hill-land" catchment in east-central Pennsylvania* at the AGU Fall Meeting held in San Francisco, California, December 15-19, 2000. Shade's advisor is Assistant Professor **Robert Hudson**.

Rupassara will attend the In Situ and On-Site Bioremediation: the Sixth International Symposium in San Diego, California, June 4-7, 2001 and present the paper *Biodegradation of Atrazine in Aquatic Ecosystem.* Rupassara's advisor is Professor **Richard Larson**.

Wolfe will present the paper *Effects of common carp on the reproduction, growth, and survival of centrarchids*, at the 131st annual American Fisheries Society meeting in Phoenix, Arizona, held August 19-23, 2001. Adjunct Professor **David Wahl** is Wolfe's advisor.

PICCOLO PRESENTS STUDENT POSTER-

Brian Piccolo, graduate student, presented a poster in December 2000 titled "Variation of White-tailed Deer Home Ranges in Fragmented Urban Habitats around Chicago, IL" at the 62nd Midwest Fish and Wildlife Conference, held in Minneapolis, MN. It was chosen as the Best Student Poster at the conference. Other authors of the poster include: **Karmen Hollis**, **Richard Warner**, **Timothy Van Deelen**, **Dwayne Etter** and Chris Anchor.

AWARDS AND HONORS

NRES FACULTY & STAFF HONORED

The College of ACES will hold its annual awards banquet on Monday, April 16, at the Illini Union. The reception for the award winners begins at 5:30 p.m. in the South Lounge. The dinner and awards ceremony will be held in rooms A, B, and C beginning at 6 p.m. The following are the 2000-2001 NRES award recipients that will be honored at the gala:

Mary Ann Lila Smith, Professor of Plant Physiology and Interim Assistant Dean of ACES – 2001 Paul A. Funk Recognition Award

Donald P. Briskin, Professor of Plant Physiology and Associate Department Head of NRES – Senior Faculty Award for Excellence in Teaching

C. Diane Anderson, Graduate Teaching Assistant, - Louis V. Logeman Graduate Student Teaching Award

Please join them on April 16 in celebrating this accomplishment.

It's Spring -
Plant a tree!

BORK NURSERIES RECEIVES AWARD

Bork Nurseries, of Onarga, Illinois, has received the 2000 Distinguished Service Award from the Illinois Landscape Contractors Association (ILCA). This award recognizes companies that substantially contribute to the association's efforts. Bork Nurseries is a 1,360-acre facility that features a wholesale plant and retail garden center. The company has been a member of ILCA since 1972 and has hosted the association's Summer Field Day four times. In addition, they have consistently exhibited at the Field Day and the Mid-America Horticultural Trade Show, and have been a regular advertiser in ILCA's monthly magazine, *The Landscape Contractor*.

The Bork family provides funding for the Earl Dean Bork Horticulture Scholarship, awarded annually to an NRES student, from Iroquois or a surrounding county, who demonstrates an interest in horticulture or ornamental horticulture.

CLOYD AND WARNOCK RECEIVE GRANT

Cloyd, R. A., and **D. F. Warnock** (PI). Trap crops and insecticide application methods for use in integrated pest management programs to combat western flower thrips in potted floriculture crops. Research Board Granting Program. Proposal Duration: 5/20/2001 through 5/20/2002. Funding Awarded: $12,079.

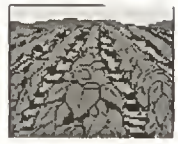
NRES NEWSMAKERS

CHOW'S WOOD ALTERNATIVES

Poo Chow, professor of wood science, was featured in the top story of the March 15, 2001 edition of *Inside Illinois*. The article, written by Jim Barlow, detailed the research of Chow and Professor Emeritus of Crop Sciences Robert Lambert on non-wood fiber crops. By using cornstalks, corncobs, or kenaf (a plant native to east-central Africa), it may be possible to make high-quality products that have traditionally been made with wood fiber, thus reducing the demand for fibers harvested from trees. Chow encourages Illinois farmers to consider experimenting with growing kenaf in preparation for future industry demand for non-wood fiber products. The plant can be grown successfully in this state and it grows quickly, up to 10-15 feet high. A test plot in southern Illinois has produced as much as 7 tons of dry fiber per acre. "Growing kenaf lets you produce a fiber similar to that made from wood, but you can do it in 150 days," Chow said.

This research was also featured in a March 9, 2001 article by Joan Wagner in *The Daily Illini*. Wagner interviewed both Poo Chow and Robert Lambert. This article noted that if production of kenaf becomes popular in Illinois, it could reduce transportation costs to nearby areas, such as Indiana, that currently import kenaf from Spain or Texas.

AGRIBUSINESS 2001



Two special sections (I and J), entitled "Agribusiness 2001" were included in the Sunday March 11, 2001 edition of *The News-Gazette*. Within these sections were several articles featuring the research and viewpoints of NRES faculty and staff. An article written by Anne Cook on water quality issues and their relationship to agriculture appeared on page I-2, and discussed the research of Professor **Mark David.** David and his colleagues continue to perform studies on nitrogen runoff from agriculture fields and other sources, such as golf courses, to determine how much nitrogen ends up in rivers and how much cycles back into the atmosphere. Cook also spoke with Department Head **Gary L. Rolfe** about efforts to improve communication on such issues between scientists and the fertilizer industry. Rolfe noted the industry's awareness of problems with nitrogen runoff and the need for a dialogue between researchers and industry leaders to communicate what is known and what the recommendations are for dealing with water quality problems.

In a related article, featured on page I-3, Anne Cook discussed the debate over a study by Illinois State Water Survey scientists Derek Winstanley and Edward Krug that appeared in the journal *Science*. Their report downplayed the role of agriculture in hypoxia, or the creation of "dead zones" in the Gulf of Mexico, claiming that nitrogen levels in the Mississippi River have always been high, and the occurrence of dead zones is a natural phenomenon. Professors **Mark David** and **Greg McIsaac** disagree and have written a rebuttal claiming the Winstanley/Krug report "is politically motivated." David and McIsaac believe that as much as 15% of the nitrogen that flows down the Mississippi into the Gulf comes from Illinois, and they are in favor of encouraging farmers to modify their nitrogen use practices.

An article by Jodi Heckel on page J-3 of "Agribusiness 2001" discussed the efforts of local farmers to re-establish wildlife habitat. Heckel interviewed Professor and Iterim Assistant Dean of Research for the College of ACES **Dick Warner**. Warner is performing research on how to get the most benefits from filter strips (grasses planted along drainage ditches or streams) and field borders, by considering factors such as the width of these areas and the types of vegetation that will attract the greatest variety of wildlife species. He noted that maintaining wildlife habitats can be beneficial in terms of soil and water conservation, and may help control pests, since some birds

attracted to the areas spend the early parts of their lives feeding on insects that cause crop damage. He also discussed the need for naturalists to work with farmers in these conservation efforts, since they may also face issues of damage caused by wildlife. "The more we encourage landowners to do things that are positive for wildlife, the more we have to be around to help them solve problems," he said.

An article by Greg Kline on page J-4 of "Agribusiness 2001" discussed some of the controversies and concerns regarding genetically modified crops. As an example of some of the innovations in biotechnology that are occurring in U of I research labs, Kline described the research of **Schuyler Korban,** professor of plant genetics. Korban has developed a way to administer a vaccine to Respiratory Syncytial Virus (RSV), a common respiratory illness, via genetically modified apples or tomatoes. The fruits have been engineered with a gene from the virus that prompts a protein within the fruit cells to make the vaccine. A vaccine to this illness is currently not available in the form of a shot, and the work of Korban and his colleagues could provide a relatively painless way to help prevent the disease. Department Head **Gary L. Rolfe** is quoted in the article, advising that ecological concerns are sufficient for caution in the process of introducing genetically modified foods. "It's not an indictment of genetically modified organisms. It's simply saying we haven't completed the picture," he said. In a related article featured on page J-5 of "Agribusiness 2001," Doug Peterson of U of I Extension wrote in depth about the concerns the public has about genetically modified foods. Dr. Rolfe was also quoted in this article, again stating his belief that genetic engineering is excellent science, but should be used with caution due to the relative lack of research being done on the broader environmental impacts of genetically modified organisms.

PERSONALS

CONDOLENCES

The NRES community extends condolences to the family of **Mrs. Frances Helfrich,** who recently passed away. She and her family have provided funding for the Karl F. and Francis A. Helfrich Horticulture Scholarship for the past 17 years. This scholarship is awarded annually to an NRES student who is a direct descendent of an immigrant and who demonstrates an interest in floriculture, horticulture or ornamental horticulture. Mrs. Helfrich is survived by her children, John Helfrich of Stratham, New Hampshire, and Susie Carey of Marshall, Illinois.

V. ERMAL "ANDY" OWENS

V. Ermal "Andy" Owens, the father of NRES Secretary **Linda Harvey**, died March 27, 2001 at Provena Covenant Medical Center in Urbana. He is survived by his wife, Lois Nash Owens, and another daughter, Cheryl Rupp of Kokomo, Indiana. Mr. Owens retired from the U of I Office of Instructional Resources and served in the Army during World War II. He was a member of the Urbana Assembly of God Church, where he was an elder and Senior Saints Pastor. Memorial contributions may be made to the Urbana Assembly of God Church Building Fund, 2502 S. Race Street, Urbana, Illinois.

NEWS FROM MAL SHURTLEFF

Professor Emeritus **Malcolm C. Shurtleff** has published his tenth book, entitled *Diagnosing Plant Diseases Caused by Nematodes*, along with co-author Charles W. Averre, III. The two authors held an autograph signing session for the book at the Americn Phytopathological Society (APS) meeting last August in New Orleans. To see the table of contents or to order the book, visit the APS Press website at http://www.shopapspress.org/42546.html.

Mal recently wrote to NRES, "I enjoy receiving the NRES News periodically and am surprised at the number of faculty members I no longer know, even though I left Champaign-Urbana in 1998." He also wishes to pass on his new address: 6730 (rather than 5602) Heron Lane, Pearland, Texas 77584-6618. Drop Mal a line to congratulate him on his latest book and to let him know that even though NRES is constantly changing, we still remember him!

CONFERENCE PRESENTATIONS/ MEETINGS ATTENDED

Charlebois, P. March 2001. ANS Outreach at the Natural History Survey's Lake Michigan Biological Station. Illinois Renewable Natural Resources Conference in Peoria, IL

Charlebois, P. March 7, 2001. DNR Exotic Species Team meeting; Illinois Renewable Natural Resources Conference, Peoria, IL. In addition, she co-sponsored a purple loosestrife workshop for 4-H leaders in LaPorte, Indiana in March 2001. The workshop was co-sponsored with Purdue University Extension.

Cloyd, R. March 2001. An Up-Date on Gypsy Moth and Asian Longhorned Beetle in Illinois. 2001 Green Seminar, Oak Brook, IL.

Cloyd, R. March 2001.The Nuts and Bolts of Growing Orchids. Chicago Flower and Garden Show, Chicago, IL.

Cloyd, R. March 2001. Starting Right in the Greenhouse. East Central Illinois and Western Indiana Commercial Vegetable Production School, Kankakee, IL.

Cloyd, R. February 2001. Major Insect Problems of Deciduous Trees. 19th Annual Southern Illinois Grounds Maintenance School, Collinsville, IL.

Cloyd, R. March 2001. Entomology: What's Bugging You. Champaign County Extension Office, Champaign, IL.

Gosselink, T.E., T.R. Van Deelen, P.C. Mankin, and **R. E. Warner**. March 8, 2001. Red fox Dispersal in Illinois. Illinois Renewable Resources Conference, Peoria, IL.

Guse, C. March 28, 2001. Using Simulation Models to Plan the Deployment of Transgenic Corn Rootworm Hybrids. North Central Branch of the Entomological Society of America. Symposium on Genetically Engineered Corn to Manage Corn Rootworm. Also, March 10, 2001, Insect Petting Zoo exhibit. ACES Open House, UIUC.

Kuo, F. March 2001. Green Neighborhoods in the Inner City: Restoring Healthy Social Ecosystems. Invited presentation. University of Vermont, School of Natural Resources.

Solter, L. February 2001. Southern Research Project S-301 meeting. "Development, Evaluation and Safety of Entomopathogens for Control of Arthropod Pests", Davis, CA. Lee is co-chair of Subproject "Development, evaluation and safety ofentomopathogens for control of leaf feeding insect defoliators."

PUBLICATIONS

Bouseman, J. K. and J.G. Sternburg. 2001. Field Guide to Butterflies of Illinois. Illinois Department of Natural Resources, Springfield, IL. Illinois Natural History Survey Manual 9.

Brown, A.F., **J.A. Juvik**, and J.K. Pataky. 2001. Quantitative trait loci in sweet corn associated with partial resistance to Stewart's wilt, northern corn leaf blight and common rust. Phytopathology 91:293-300.

Cloyd, R. A. March 2001. Resistance not always to blame for whitefly problems. Greenhouse Management & Production. 21 (3): 70-71.

Cloyd, R. A. February 2001. Strategies for managing spring bedding plant pests. North Carolina Flower Growers' Bulletin. 46(1): 8-9.

Cloyd, R. A. Winter 2001. Fungus gnat and shorefly management strategies: Panel discussion. Floriculture Indiana. 15(1): 5-10.

Cloyd, R. A. 2001. Major insect problems of deciduous trees, pp. 58-60. *In* Proceedings of the 19th Annual Southern Illinois Grounds Maintenance School. University of Illinois Extension.

CALENDAR

APRIL

7	Faculty Meeting, 10 a.m., W-121 Turner Hall
16	ACES and Paul A. Funk Recognition Awards Gala, Reception: 5:30 p.m. South Lounge; Dinner and Awards, 6 p.m., Illini Union, Rooms A, B, and C.
19	Gamma Sigma Delta Spring Banquet, 6 p.m., Illini Union, Room B
21-22	Mom's Day Flower Show, Stock Pavilion, 9 a.m.—5 p.m. Sat. and 9 a.m.— 2 p.m. Sun.
24-27	Stewardship Week, Dixon Springs Agricultural Center, Simpson, IL
27	ACES Faculty Meeting (Annual Business Meeting); 3-5 p.m.; 150 Animal Sciences Lab; Program: The State of the College
29	ACES Student Awards Banquet; 11 a. m. – 2 p.m.; Park Inn International & Illini Conference Center, Urbana
30	Campus Instructional Awards Banquet; 5:30 reception in Illini Union South Lounge; 6:30 dinner in Illini Rooms A, B, and C.

MAY

4-11	Final Exams
8	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall
13	Commencement Convocations: Undergraduate, 9:30 a.m., Krannert Center Great Hall; Graduate, 10 a.m., Smith Hall; Assembly Hall Ceremony –ACES, 2 p.m.
14	Summer Term I begins
28	Memorial Day—UIUC holiday

JUNE

9	Summer Term I ends
10	Summer Term II begins

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Visit the NRES homepage: www.nres.uiuc.edu

NRES News can now be accessed via our homepage. Once there, click on "about NRES" then click on "Newsletters."

NRES Department of Natural Resources and Environmental Sciences

News

www.nres.uiuc.edu
College of Agricultural, Consumer and Environmental Sciences

Number 5, May 2001
University of Illinois at Urbana-Champaign

CONGRATULATIONS NRES GRADUATES!

Congratulations to the May 2001 NRES students who completed their degree programs. On May 13, approximately 50 NRES seniors will receive their bachelors' degrees, seven graduate students will accept their masters' degrees, and five other students will become Ph.D.s (as of the degree list on May 1). Best wishes to these outstanding students as they join the ranks of NRES alumni. Good luck in all your future endeavors, and be sure to keep in touch.

B.S. Grads
Jessica Abramavicius
Nancy Arruda
George Barber
MaryJean Bargren
Meredith Blumthal
Natalie Carroll
Ann Claerbout
Andrew Clark
Joel Davidson
Brian Dominski
Xiomara Eaves
Jonathan Fisher
Paul Fisher
Lisa Fitzgerald
Magdalena Filipczyk
Miranda Ferguson
Carrie Gerst
Robin Grom
Kasia Gutkowska
Rebecca Hall
Christopher Hamelly
Dale Harness
Eileen Haugh
Rachel Herr
Blake Hoerr
Jaime Horn
James Jacobus
Allison Jensen
Cory Kohut
Kelly Korte
Aaron Lange
Adam Lock
Bradley Lockart

B.S. Grads (continued)
Christopher Ludwa
Annilese Millar
Kelly Moran
Curtis Ostrodka
Kevin Remington
Jamie Schaller
Arlene Sison
Jennifer Smith
Nicole Toomey
Stacy Watts
Stephanie Weber
Andrew Wickenhauser
Marueen Wirtas
Nathan Woolery
Sarah Yaremych
Katherine York
Yone Yu

M.S. Grads
Christopher Barnstable
Charles Bowers
Luke Cella
John Elshire
Jennifer Hall
Jenny Schaust
Beth Smith

Ph.D. Grads
Nyamori Aguyoh
Xiangchi Cao
Brian Horgan
Darin Lickfeldt
Jeffrey Walk

BRONZE TABLET SCHOLARS

Five graduating NRES students received the Bronze Tablet recognition this year. The Bronze Tablet is the highest university recognition for undergraduate academic performance. Congratulations to: **Ann Claerbout** (Forest Science), **Jonathan Fisher** (Forest Science), **Christopher Ludwa** (Social Science), **Kelly Moran** (Biological Science), and **Sarah Yaremych** (Biological Science) on this outstanding achievement!

CONGRATULATIONS, RETIREES!

John J. Hassett, professor of soil and environmental chemistry; **Alan G. Otterbacher**, principal research specialist in agriculture; and **Judy R. Stoll**, NRES secretary; were honored at a Retiree Reception held on April 25, 2001 at the Bevier Hall Cafeteria. Congratulations and best wishes to them in the years ahead.

NRES SPRING PICNIC

Make plans to celebrate at the annual NRES Spring Picnic on Thursday, May 3, 2001 from 4:30 – 6:30 p.m. at the Landscape Horticulture Research Center on S. Lincoln Avenue, Urbana. All NRES faculty, staff, emeriti, students and their families are invited. Hamburgers, hot dogs, chips and drinks will be provided. Veggie burgers and pasta salad will also be available. Don't forget your frisbee and your sunglasses! This event comes to you courtesy of the NRES Social Committee: **Jim Lang**, chair; **Charlie Boast**, **Joyce Canaday**, **Mark David**, **Gil Mendoza**, **Dave Phillip**, **Mastura Raheel**, **Carole Rebeiz**, and **Jeremy Shafer**.

INSIDE THIS ISSUE

New NRES Grads..... 1
Upcoming Events..... 2
Student News.....3
NRES Newsmakers..... 6
Personals..... 7
Conference Presentations..... 7
Publications..... 8
Calendar.....9

DEWALT RECEIVES GRANT

R. Ed DeWalt, assistant research scientist for the Illinois Natural History Survey, was awarded a grant of $2,910 by Discover Life in America from May 1, 2001-April 30, 2002 to conduct sampling of aquatic insects in the Great Smoky Mountains National Park (GSMNP). Summer adult Ephemeroptera, Plecoptera, and Trichoptera presence, abundance, and species richness will be studied. Sampling will begin May 20 and continue at two-week intervals through August 1. Ultraviolet light traps will be used at 8-10 sites in the Abrams Creek drainage of western GSMNP. The study will contribute to the All-Taxon Biotic Inventory currently underway in the park.

FALL GRADUATION DATE CHANGED

Provost and Vice Chancellor for Academic Affairs Richard Herman has approved changing the official graduation conferral date for fall term from January to December, effective fall 2001. The official graduation conferral date will be the Monday following the last day of final exams.

UPCOMING EVENTS

CHAIN SAW SAFETY DEMOS

If you own and use a chain saw, **Mike Bolin,** extension specialist, invites you to attend one of these regional chain saw safety demonstrations scheduled for May 2001:

Tuesday, May 1 - Mt. Carroll, Illinois (Carroll County)
Wednesday, May 2 - Seneca, Illinois (Grundy County)
Thursday, May 3 - Moweaqua, Illinois (Macon County)
Friday, May 4 - Belle Prairie City, Illinois (Hamilton County)

The chain saw safety demonstrations are being coordinated by Bolin for Illinois' tree farmers and other forest landowners, but the general public is also welcome to attend. The demonstrations will feature Tim Ard, nationally known chain saw safety and directional (tree) felling expert, and will be held from 9:30 a.m. - 2 p.m. each day. There is no admission fee. These demonstrations are sponsored by an Illinois Forestry Development Council grant, and with assistance from the Illinois Tree Farm Committee and UI Extension. A map to the demonstration locations can be located at the following web address: http://ilvirtualforest.nres.uiuc.edu/Council/page27.html.

NATIONAL BIOTECHNOLOGY CONFERENCE

The National Agricultural Biotechnology Conference (NABC) 2001 will take place May 22-24, 2001 at the Wyndham Hotel, Chicago, Illinois. The theme is "High Anxiety and Biotechnology: Who's Buying, Who's Not, and Why?" **Mary Ann Lila Smith**, professor of plant physiology, is one of the conference organizers. Key topics include:

- ????How food technologies get accepted
- ????How you say it counts
- ????How the consumer gets influenced: perceptions of risk, information technology, and consumer advocacy
- ????Divergent lenses: producers, scientists, consumers, and media

A detailed program and registration information can be found at the NABC 2001 web site, http://www.aces.uiuc.edu/research/nabc2001/welcome.html. Additional questions can be answered by contacting the National Soybean Research Laboratory at nsrl@uiuc.edu or by phone at 217-244-1706 or fax at 217-244-1707.

"FIELD GUIDE TO BUTTERFLIES OF ILLINOIS"

For anyone with a keen interest in butterflies, there is a beautiful new book, "Field Guide to Butterflies of Illinois" by **John K. Bouseman,** associate professional scientist; and James G. Sternburg. This field guide contains over 325 photographs and information about butterflies of various species. The purpose of the book is to enable the user to identify by species any butterfly found in Illinois. It was published in January 2001 by the Illinois Natural History Survey, and is available from the Survey's information office by phone: 217-333-6880 or e-mail: rjohnson@mail.inhs.uiuc.edu. The price is $19.95, which includes domestic shipping.

In the Sunday, April 15, 2001 edition of *The News-Gazette*, pages E-1 and E-5, an article by Kirby Pringle titled "Nature's Icons" promoted the book. The article noted, "there are about 100 known species of butterflies in Illinois, ranging from the well-known monarch to the rare and endangered swamp metalmark." Most are photographed and described in the book.

To further explore an interest in butterflies, an exhibit titled "Living Colors: A Butterfly Garden" will run May 25 through September 3, 2001 at the Field Museum of Natural History in Chicago. Check the Field Museum of Natural History website at: http://www.fieldmuseum.com/exhibits/butterfly _temp exhib.htm for more information.

STUDENT NEWS

KOBAYASHI WINS AWARD

Hideka Kobayashi, Ph.D. candidate, has been named as the 2001 Hope E. Hopps Award winner by the Society for In Vitro Biology. He will travel to the Congress for In Vitro Biology in St. Louis, Missouri this June to receive this award. **Mary Ann L. Smith**, professor of plant physiology, is his advisor.

COOKE AND GAULT RECEIVE GRANTS

Congratulations to **Steven Cooke**, Ph.D. student of Adjunct Professor **Dave Philipp**, who recently received a Graduate College Dissertation Travel grant for $3,605. In addition, **Elizabeth Gault**, MS student of Adjunct Associate Professor **Robert Wiedenmann**, won a $250 Graduate College Master's Thesis/Project Grant. This is the second time she has won this award.

METZ RATED EXCELLENT TEACHER

Mark Metz, graduate student in the therevid fly PEET group of Professor **Michael Irwin**, was listed under "Teachers Ranked Excellent by Their Students for Life Science Courses Taught in Spring, Summer, & Fall 2000." He taught the labs and several classes for Entomology 301, titled Introductory Entomology, during the summer of 2000. Metz was invited to attend the School of Integrative Biology Awards Reception on May 3, 2001, where he will be honored with other award recipients.

JENNIFER HALL'S NEWS

Jennifer Hall, graduate student, reports that she successfully defended her master's thesis, "Identifying Marketing Opportunities in Illinois Retail Nursery and Garden Center Sector" on March 20, 2001. Her thesis explored issues such as target marketing and customer-oriented retail nursery businesses. Her advisor is Professor **Anton Endress.**

In addition to graduating on May 13, Jennifer will marry Donald Dennis on May 20, 2001. The couple will move to Lansing, Michigan on June 6, where Jennifer will pursue a Ph.D. in horticulture with a specialization in marketing at Michigan State University. Her focus will be in the area of service quality. She has been offered the Competitive Doctoral Enrichment Fellowship, which gives 4 years of guaranteed funding as well as tuition and fees.

"*I will miss all of you in the department of NRES*", she says. Effective fall 2001, Mrs. Jennifer Hall-Dennis can be reached at: Michigan State University, A147 Plant & Soil Sciences Building, East Lansing, MI 48824.

ANIMAL CONTROL MEETING

Graduate student **Karmen Hollis** and Professor **Richard Warner** participated in the Cook County Animal Control Advisory Board Committee Meeting on March 21, 2001 in Chicago, Illinois. The discussion surrounded the issue of raccoon rabies and potential control methods in the Chicago region.

BUCK AND UCHANSKI STUDENT EMPLOYEES OF THE YEAR

Congratulations to senior **Amanda Buck**, NRES student employee; and **Mark Uchanski**, junior in horticulture; who each won the University of Illinois Student Employee of the Year award, presented to them on Friday, April 6 at the Illini Union General Lounge. A total of six campus-wide awards were presented at the ceremony; 59 students were nominated.

Buck was nominated by Professor **Michael Irwin.** She has worked with the therevid PEET database team since May 1998 and will graduate this year with a degree in Actuarial Science. She has accepted a position with State Farm Insurance Company in Bloomington, Illinois, and will be greatly missed by her labmates.

Uchanski works in Professor **Robert Skirvin's** laboratory. He worked for over two years with Skirvin and Post-Doctoral Research Associate **Margaret Norton** to develop tissue culture methods to obtain disease-free horseradish. Uchanski began as a volunteer to gain lab experience. He proved to be such a good worker that he was soon hired on the horseradish tissue culture program. To further support his work, Uchanski was also awarded a Jonathan Baldwin Turner undergraduate research fellowship. The award recognizes his hard work and willingness to work with a team of researchers to help the horseradish industry regain its international importance. Uchanski has co-authored three papers on his research. (see the Publications section for citations).

HORT CLUB NEWS

The U of I Floriculture Judging Team placed third in the nation at the 60th Annual National Intercollegiate Floral Crop Quality Evaluation Contest at CalPoly, San Luis Obispo, CA, held April 4-6, 2001. The team members were **Kathy York**, **Molly Karnes**, and **John Garlisch** with **Joel Davidson** as the alternate. The team learned their skills during eight weeks of class, coached by **Marv Carbonneau**, professor emeritus; **Dianne Noland**, teaching associate; and **Denny Schrock**, Extension specialist.

The individual team awards were: seventh for Kathy, ninth for Molly, and thirteenth for John. The team scored second place in the cut flowers category (by a mere twelve points behind first place) and sixth place in the potted plants category for the overall placement of third. A floral design competition was also held with fourth place finishes for Kathy and Molly, a fifth place for Joel, and ninth place for John.

Tours to local cut flower and potted plant greenhouses were conducted after the competition. Familiar faces at CalPoly included Barry Eisenberg, horticulture department head, and Dave Wehner, assistant dean in agriculture. Dianne would like to thank to the Hort Club, the NRES department, and the College of ACES for their financial support.

ILLINI FORESTERS BANQUET

Stephanie E. Weber and **Nathan A. Deppe** received two of the awards at the Illini Foresters' Club Banquet held April 17, 2001 at the Park Inn, Urbana, Illinois. Weber received the Senior Book Award (a book entitled "Understanding Wood") and a framed certificate. Deppe received the FPS Student Membership Award, which is one free year of membership plus a framed certificate. The awards were presented by Professor **Poo Chow** and provided by the Midwest Section, Forest Products Society.

Other award winners who received certificates were: Outstanding Department Head: **Gary L. Rolfe**; Outstanding advisor: **Steven Tondini**; Outstanding faculty member: **Jeffrey Dawson**; Toothless Saw Award: **Jeremy Shafer**, Outstanding Freshman: **Mary Wasilewski**, Most Valuable Forester (MVF) and Outstanding Senior: **Emily Warren**. These awards were presented by the following club officers: **Ann Claerbout, Nathan Deppe, Robert Tarter, Emily Warren, Andy Wickenhauser**, and **Nate Wollery**.

NRES CELEBRATES EARTH DAY

Students for Environmental Concerns (SECS) held its annual Earth Day Celebration on the Quad, Sunday, April 22, from 12:00-6:00 p.m. SECS invited organizations that address environmental issues to attend and provide information about their programs and services. An NRES departmental booth was at the event, providing information on undergraduate and graduate courses of study, as well as general information about the department. Graduate students **Joy Scrogum** and **Scott Bretthauer** staffed the departmental booth and kept it from blowing away in the high winds. Thanks to NRES freshman **Jennifer Walling** for inviting NRES to participate in the celebration. The Student Chapter of the Wildlife Society also had a booth at the event. Other groups who attended were:

The Nature Conservency
Illinois Student Environmental Network
Red Bison Prairie Restoration Group
Environmental Resources Newsletter
Animal Rights Coalition
Campus Vegetarian Society
The Prairie Greens
The Independent Media Center
The Sierra Club
The Red Herring
Rainforest Action Group
Earth Doctors
Environmental Law Society
Illinois Power Customers United to Save Our Trees
Department of NRES
Common Ground Food Co-op

Thanks to everyone that attended the Earth Day event.

WILDLIFE SOCIETY NEWS

The Wildlife Society recently had two fundraisers, according to **Karmen Hollis**, fund raising chair. The first was a Warm Drink Stand fundraiser held on February 23, 2001. **Chad Stewart** led them in another successful fundraiser with the sale of hot chocolate and hot cider. They grossed $79.38. The Wildlife Society would like to thank **Beth Cole** for donating the cups/lids for the event. Seventeen members worked and/or donated their time. In addition, the fundraiser was good publicity for the society, as it brought in one new member and several students picked up club flyers. They would like to extend special thanks to those who helped with the fundraiser, people who donated equipment, and, of course, those who purchased the hot drinks.

The second fundraiser was The Wildlife Society club T-Shirt sale. T-shirts went on sale in mid-March for $12 each, and 17 are still available as of mid-April. The short-sleeved shirts are sand colored and made of a 50/50 cotton/polyester blend with dark blue print. The Wildlife Society logo is on the front left corner and wildlife with animal tracks are across the back. The sizes available include XS-XXL. Contact club members in 276 NSRC at 333-6898 for shirts. The Wildlife Society thanks you for your support.

Karmen Hollis presented an educational seminar as a representative of the Wildlife Society to Champaign Central High School women in the Science, Math, and Engineering Club in April 2001. She discussed why they conduct research and what is like to work with wildlife.

In March 2001, 19 members of the Wildlife Society attended a Project WILD environmental education workshop at the Anita Purves Nature Center in Urbana. Project WILD is an interdisciplinary conservation and environmental education program emphasizing wildlife. It is a collection of activities, aimed at students from the kindergarten level through high school, which draw upon a wide variety of skills and disciplines, not only science, but math, social studies, language and expressive art as well, to teach various wildlife related topics.

The workshop attendees spent the day playing the role of students and running through a handful of the WILD activities under the facilitation of the Anita Purves staff and, in doing so, learned techniques for presenting these activities themselves. The skills learned in the Project WILD workshop will help their chapter of the Wildlife Society to further its goal of community outreach and education.

Jason Martin and the other participating members would like to thank the facilitators of the workshop: Judy Miller and Kim Petzing from the Anita Purves Nature Center in Urbana, and Sarah Livesay from the Champaign County Forest Preserve District.

THE AMERICAN FISHERIES SOCIETY WANTS YOU!

If you are interested in fisheries, ichthyology, aquaculture, or just angling in general, there is one student organization you should know about — the Student Subunit of the American Fisheries Society. Whether it is by exchange of information with other sources, community outreach, or learning with others, the AFS Student Subunit wants to interact with students who have a desire to learn more about fisheries science, management, and education.

The U of I Subunit is extremely active in many different activities, both for the University and for the Parent Chapters (Illinois and National Chapters). Just to highlight a few activities, the Subunit:

- ????Performs a cleanup of the First Street Pond (located at First and Windsor) twice a year to keep this popular attraction appealing to all that use it.
- ????Assembles tackle packs for the Urban Fishing Programs to help educate children on how to angle fish and how to conserve this valuable resource.
- ????Acquires donations from all over Illinois to help in a fundraiser at the Annual Illinois Chapter meeting every March.
- ????Invites speakers from both inside and outside the University in order to give students an idea of what awaits them once they decide to end their academic career.
- ????Awards travel grants (The Larry Larrimore Travel Awards) to undergraduates and/or technicians in order to attend the Annual Illinois Chapter Meeting.

They do things for themselves as well. Throughout the year, they have several pizza meetings, potlucks, a Subunit fundraiser, and a group activity at the end of the year (this year is a wall Climb at Vertical Plains in Champaign). Most important, however, is what the AFS Student Subunit can do for you. For example, they have contacts in the departments of NRES and Animal Biology (formerly EEE); the Illinois Department of Natural Resources; and the Illinois Natural History Survey Center for Aquatic Ecology. With so many contacts in different departments, the Subunit is always informed of various job openings, internship possibilities, and graduate opportunities, both within the University and outside agencies.

If you want to get a job in Natural Resources (mainly fisheries), you shouldn't miss the opportunity to join their organization. There is NO COST for new members to join. Returning members pay only $5 a year. The benefits are numerous, and you'll get to meet many different people who likely share the same ideas about fisheries and fish in general. Although they already held the last meeting for this school year, the Subunit will begin meeting regularly in the fall semester. If you have any questions, just e-mail **Matthew Wolfe**, current president of the AFS Student Subunit, at mdwolfe@uiuc.edu. The Subunit is also online at http://www.uiuc.edu/ro/AFS_Subunit/. Have a great summer and hope to see you in the fall!

NRES GSO NEWS

The Graduate Student Organization (GSO) kicked off the spring semester with a bowling event in February 2001 at the Illini Union Lanes. Twelve members attended and relaxed with a night of bowling and fun. In March, the club continued its communications with the NRES department. **Jack Juvik**, professor of plant genetics, attended the meeting and updated the members on departmental committees, news, and activities in which NRES graduate students can actively participate. In addition, members discussed future action initiatives and club goals.

In April, the GSO elected new officers for the 2001-02 school year. They are: **Sami Kamal**, president; **Scott Schaefer**, vice-president; **Mindy Merrick**, secretary; **Leslie Heffron**, treasurer. In other news, anyone interested may contact Scott Schaefer concerning participation in the NRES summer co-ed softball team.

The past year has been made up of small steps toward the GSO's success. The GSO greatly appreciates the departmental support from **Gary L. Rolfe**, NRES department head, Professor Jack Juvik, and **Mary Lowry**, student services coordinator. The club looks forward to future participation and a growing membership within NRES.

LANDOWNER CONFERENCE A SUCCESS

Mike Bolin did it again! He produced another successful event for Illinois, Iowa and Missouri forest landowners. About 175 people participated in the first Tri-State Forest Stewardship Conference on March 24, 2001 at the Quincy Holiday Inn. Bolin, extension specialist,

chaired the conference with management assistance from the following NRES members: **Bianca Rios**, graduate student; **Linda Kemplin**, clerk; and **Jeremy Shafer**, research specialist in agriculture. **John Edgington**, principal research specialist in agriculture, presented "An Introduction to Tree Identification." The conference was sponsored by the following organizations in the three states: Extension Service; Illinois and Iowa DNR; Missouri DOC; Natural Resources Conservation Service; U of I NRES Department; University of Iowa Department of Forestry; and University of Missouri School of Natural Resources.

SALO TEACHING NEW COURSE

A new course for Fall 2001 will be taught by Assistant Professor **Ken E. Salo**. It is an NRES 199 (section KS) three credit hour course titled "Community Management of Natural Resources: International Perspectives,' and will be taught Tuesdays and Thursdays from 1 p.m. – 2:40 p.m. The location has yet to be announced.

IRWIN TRAVELS TO SOUTH AMERICA

Professor **Michael Irwin** recently spent twelve days in Chile and Brazil reviewing a grant proposal for the McKnight Foundation. The proposal aims, through traditional breeding efforts, to incorporate genes resistant to insects into commercial potato cultivars. The idea behind the project is to reduce pesticide applications in developing countries.

NRES NEWSMAKERS

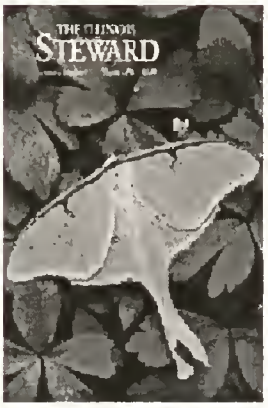
MORE INTEREST IN HERL RESEARCH

Assistant Professor **Frances Kuo**, co-director of NRES' Human-Environment Research Lab (HERL) has received a lot of attention in the press recently concerning her research on the psychological benefits of green landscapes. Most recently, Rebecca A. Clay interviewed her for an article in the April 2001 edition of the American Psychological Association's *Monitor on Psychology*. The article, entitled "Green is good for you," discusses research on the mental and physical benefits of having even minor exposure to nature. Kuo and her colleagues at HERL, Associate Professor **Bill Sullivan** and Graduate Research Assistant **Andrea Faber Taylor**, conduct research at Robert Taylor Homes in Chicago, the nation's largest public housing project. They have also studied the effects of spending time in green surroundings on children with Attention Deficit-Hyperactivity Disorder (ADHD), and found that children involved in activities in green settings exhibit fewer symptoms than those involved in activities indoors or in outdoor areas devoid of greenery.

125 YEARS & STILL GROWING STRONG

In the Sunday, April 8, 2001 edition of *The News-Gazette,* Anne Cook wrote an article about Morrow Plots, the nation's oldest experimental agricultural field. Several NRES faculty and staff members were featured in the article. Cook interviewed Professor **Ted Peck**, who studies organic matter in the soil of Morrow Plots and serves as the site's unofficial historical record keeper. Peck discussed the establishment of the Plots back in 1876, and outlined the agricultural research practices throughout the site's history. Today, Associate Professor **Michelle Wander** studies the efficiency of crop nutrient use at the Plots, and Professor **Richard Mulvaney** and Research Specialist in Agriculture **Saeed Khan** are working to develop a new soil test based on amino acids that could have major implications for industry nitrogen application guidelines.

In a related article in the same issue of *The News Gazette,* Anne Cook discussed the efforts of other universities to preserve their own historic agricultural plots. Ted Peck was featured in this article as well, since he represented the University of Illinois at the centennial celebration of "Old Rotation," Auburn University's historic cotton plots, in 1996.



MORE RECOGNITION FOR THE ILLINOIS STEWARD

In the March 29, 2001 edition of the Kankakee *Daily Journal,* an article by Robert Themer discussed a new alternative being explored by some Illinois farmers—grassland farming. This practice involves switching acreage from traditional row crops (i.e. corn and soybeans) to pastureland. Themer interviewed one farmer who made the successful transition, Manteno dairy farmer Dave Suprenant. Suprenant was featured in an article in the spring 2001 edition of *The Illinois Steward* magazine entitled "The New Pioneers—Grassland Farmers," written by Tina Prow and including photos by the magazine's co-managing editor, Robert J. Reber. *The Daily Journal* ran a reprint of this *Illinois Steward* article immediately after Themer's article on the subject. Prow described how several farmers have successfully switched to grassland farming, raising dairy cattle, beef cattle, sheep and even elk. Prow's article was reprinted in its entirety, including Reber's photos. In his own article, Robert Themer referred to *The Illinois Steward* as "a fine quarterly publication of the University of Illinois."

More recognition came for *The Illinois Steward* in the form of a feature article titled "A Reflection of Nature"

on pages 16-21 of the March/April 2001 edition of the University of Illinois' alumni magazine, *UI Illinois Alumni*. This article highlighted the history of the magazine and the staff members responsible for this "glossy, eye-popping" magazine: **Mike Bolin**, Extension forestry specialist and co-managing editor, Bob Reber, co-managing editor; Lynn Hawkinson Smith, graphic designer, **Michael Jeffords**, visiting associate professor and nature photographer, **Susan Post**, research specialist in agriculture and staff writer, and Phyllis Picklesimer, editor.

Now in its tenth year, "it has come a long way from some of those first issues," said Jeffords. It originated with some forestry groups that wanted a state newsletter. At the first planning meeting, the publication evolved from a newsletter to a magazine. "The magazine acquired its professional, high-quality look when Smith came on as the designer in 1995," Jeffords said. "It's supposed to be a work of art because nature is a work of art," added Reber.

Co-managing editors Bolin and Reber not only promote the environment via this magazine, but also live by the stewardship philosophy. For example, Reber not only grows bur oak seedlings not only on his property, but plants them all over the area. "He likes bur oaks and he wants to make sure people continue to grow them," Smith said.

"We're promoting the resources of Illinois with a stewardship bent. It's the only magazine of its kind. It is the

ACES OPEN HOUSE PROMOTED

On page 9 of the March/April edition of *UI Illinois Alumni*, an article entitled "Fly Right In" promoted the 2001 ACES Open House, and a photo showed **Jim Schmidt**, Extension horticulturist, complete with his monarch butterfly wings in the Stock Pavilion. This was the same photo by **David Riecks**, Extension communication specialist, that appeared in the April 2001 issue of NRES News.

NON-NATIVE PLANTS CAN SPELL TROUBLE

An article written by Kirby Pringle titled "Thugs of the Garden" appeared in the Saturday, April 14, 2001 edition of *The News-Gazette* on page D-1. **Dianne Noland**, teaching associate, discussed how some non-native plants, such as goutweed (a.k.a. snow and summer), have the tendency to take over an area of a garden or a landscape. Other invasive "thugs" include garlic chives and bamboo, among others.

Noland cautions, "Never plant mint directly in the garden. It's a nightmare, because it takes over and you have to pull out every last bit of it in order to remove it." It should be planted instead in containers or wooden barrels. She suggested that garden enthusiasts research information on the plants they would like to plant before they make their purchases.

SUSTAINING AGRICULTURE

On page 11 of the April 9, 2001 edition of *Farmweek*, **Daniel Anderson**, research specialist in agriculture, wrote an article titled "Sustaining Agriculture: modern agriculture is a marvel, but we can't maintain status quo." Dan discussed the three fundamental factors of production: soil, water, and farmers. First, he says that soil erosion and other factors are inhibiting the most productive use of the soil. Second, two-thirds of the water used by humans is devoted to agriculture, i.e. irrigation, and half of that is lost to evaporation. He also mentions the concern that agriculture is the leading source of pollutants in water. Third, the number of farmers lost each year is 1.9 percent annually, due to rising production costs and low commodity prices. This results in fewer farmers managing more land, and thus, the "skills needed to manage the land and produce food is becoming a lost art," Dan says.

PERSONALS

EARLEEN PETERS LEAVES NRES

Earleen Peters, former account technician I in the Business Office, accepted an account technician II position in the Office of Business and Financial Services Student Accounts and Cashiers in April 2001. "Although we will miss Earleen, we wish her the best of luck in her new position," says **Lisa Emerson**, resource and policy analyst.

PLEASE WELCOME TERA TERVEN

Tera Tervenjoined the NRES Business Office staff on Monday, April 2, 2001 as an extra-help associate. Tera assumed Earleen Peter's account reconciliation responsibilities. Please help us welcome Tera to the Business Office.

AN UPDATE FROM DANILO CHINEA

If you need to contact **Danilo Chinea**, former assistant professor of forest ecology, he is at the following work address: International Institute of Tropical Forestry, USDA Forest Service, P.O. Box 25000, Rio Piedras, PR 00928-5000, tel: 787-766-5335 x-202, fax: 787-766-6263, e-mail: jchinea@fs.fed.us.

CONFERENCE PRESENTATIONS

Guse, C. March 2001. North Central Branch meeting of the Entomological Society of America in Ft. Collins, Colorado. "Using Simulation Models to Plan the Deployment of Transgenic Corn Rootworm Hybrids."

Hollis, K.M., NRES Ph.D. Exit Seminar, April 16, 2001. Urban Deer Ecology to Examine California Encephalitis in Chicago, Illinois.

Schmidt, J. and **L.A. Spomer**. March 2001. Garden Clubs of Illinois Gardening Study Course, Lincoln Memorial Garden in Springfield, Illinois. "Techniques for Growing Fruit" (Schmidt) and "Growing Plants Under Lights" (Spomer), part of the National Council of State Garden Clubs, Inc. certification program.

Smith, M.A.L., March 30- April 3, 2001. PhenHRIG session of Experimental Biology Meetings, Challenges for Evaluation of Polyphenolic Compounds. Orlando, Florida.

Smith, M.A.L., April 2001. Oldways Antioxidant Forum. The conference deals with all aspects of antioxidants in food for human health, and aims to alter the ways the American consumer takes charge of their diet. Lake Tahoe, California.

Gosselink, T.E.,**T.R.Van Deelen**, **R.E. Warner**, and M. Joselyn. April 11, 2001. Use of GPS-Assisted Mapping of Ephemeral Cover Types to Study Habitat Use of Sympatric Foxes and Coyotes in Agricultural Habitat. Illinois Geographic Information Systems Association (ILGISA) Spring Conference, Urbana, IL.

Mankin, P., Brown, B. April 11, 2001. The application of GIS in the analyses of wildlife and aviation. Illinois Geographic Information Systems Association (ILGISA) Spring Conference, Urbana, IL.

Weicherding, T., **J. Levengood**, **S. Lavin**, and J.L. Aycrigg,. April 11, 2001. Applying Geographic Information Systems (GIS) Technology to the Ecological Risk Assessment Process in Illinois. Illinois Geographic Information Systems Association (ILGISA) Spring Conference, Urbana, IL.

The following were presented at the Illinois Renewable Natural Resources Conference, Peoria, Illinois:

Etter, D.R., **K. M. Hollis**, **T. R. VanDeelen**, J. L. Aycrigg, and **R. E. Warner**. March 8, 2001. Modeling Geographic Differences in Survival of White-Tailed Deer in Chicago, Illinois.

Hollis, K.M., **D. R. Etter**, C. Anchor, J. Chelsvig, **B. P. Piccolo, and R. E. Warner**. March 8, 2001. Home-Range Size and Habitat Use Patterns by Urban White-Tailed Deer in Chicago, IL.

Hubert, P.D., **T.R. Van Deelen**, **R.E. Warner**, and P.B. Brown. March 8, 2001. Survival and reproduction of wild turkeys in two study areas.

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CALENDAR

MAY

1-4	Regional Chain Saw Safety Demos, Mt. Carroll, Seneca, Moweaqua, and Belle Prairie City, IL
3	NRES Spring Picnic, Landscape Horticulture Research Center, South Lincoln Avenue, 4:30 – 6:30 p.m.
4-11	Final Exams
8	NRES Faculty Meeting, 10 a.m., W-121 Turner Hall.
13	Commencement Convocations: Undergraduate, 9:30 a.m., Krannert Center Great Hall; Graduate, 10 a.m., Smith Hall; Assembly Hall Ceremony – ACES, 2 p.m.
14	Summer Term I begins
22-24	National Biotechnology Conference, Wyndham Hotel, Chicago, Illinois
28	Memorial Day – UIUC holiday

JUNE

9	Summer Term I ends
11	Summer Term II begins

JULY

4	Independence Day – UIUC Holiday
9	Summer Session II second half begins

AUGUST

1	Summer Session II ends
22	Fall Semester Begins

OCTOBER

4	ACES Library, Information, and Alumni Center Dedication (early afternoon, outside the new building).

ENJOY A SAFE AND HAPPY SUMMER!

CAN'T WAIT TO SEE THE INSIDE OF THE NEW ACES LIBRARY, INFORMATION, AND ALUMNI CENTER!

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

Visit the NRES homepage: www.nres.uiuc.edu

NRES News can now be accessed via our homepage. Once there, click on "about NRES", then click on "Newsletters."

NRES Department of Natural Resources and Environmental Sciences

News

www..nres.uiuc.edu
College of Agricultural, Consumer and Environmental Sciences

Number 6, September 2001
University of Illinois at Urbana-Champaign

WELCOME BACK, STUDENTS!

Dear Colleagues,

Welcome to the new academic year and the 2001 fall semester!

I'd like to take this opportunity to outline just a few goals for the coming months:

- To foster a departmental sense of community & realization of common goals,
- To ensure that NRES continues to grow in stature and respect within the college of ACES, and across campus,
- To serve as a spokesperson and advocate for NRES faculty and staff,
- To move us ahead productively to embrace new opportunities.

At first glance, we seem to face a host of challenges. We are a very large unit – the largest in the college – and we are comprised of a diverse, eclectic collection of faculty and staff. But I honestly believe that our diversity is one of our most unique and robust strengths. We currently have the expertise within our own ranks to tackle interdisciplinary projects that would otherwise demand more difficult connections between departments across campus boundaries. We have the challenges associated with filling a number of key positions in NRES, but what an excellent opportunity we have to build strength in areas we've identified for growth. This promises to be an intriguing, albeit just a little bumpy, year ahead – but what an exciting ride.

Mary Smith

NEW LEADERSHIP

On August 21, 2001, **Mary Ann L. Smith,** professor of plant pathology, took over as interim head of NRES. We thank Professor **Gary L. Rolfe** for his six years of service as inaugural head of NRES, and 25 years both as department head and as associate director in the Illinois Agricultural Experiment Station. Rolfe will continue to serve as a professor of forest ecology in NRES.

As reported in the August 16, 2001 edition of *Inside Illinois*, Robert A. Easter took over as acting dean of the College of ACES, and will become interim dean pending approval from the Board of Trustees at its meeting on September 13. David L. Chicoine, dean of ACES since April 1996, is now the university vice president for economic development and corporate relations.

AUGUST 2001 NRES GRADUATES

Congratulations to the following NRES students who graduated in August 2001 with Master of Science degrees, per the list dated August 6, 2001:

Sergio Cristancho	NRES
Sophie E. Foster	NRES
Natasha K. Harroff	NRES
Carol J. Morgan	NRES
Mychell G. Zepeda	Horticulture

Best wishes in your future careers!

INSIDE THIS ISSUE

Message from the Interim Head.....1
Upcoming Events.....2
Awards & Honors.....4
Student News.....5
NRES Newsmakers.....6
Personals.....7
Publications.....8
Meetings Attended/Papers Presented..10
Calendar.....11

UPCOMING EVENTS

NEW ACES LIBRARY, INFORMATION AND ALUMNI CENTER OPENS

After much anticipation, the new ACES Library, Information and Alumni Center opened in August 2001. The beautiful library was open and ready to serve students in time for the beginning of the fall semester. Check out the new web site to obtain a sneak peak: http://www.students.uiuc.edu/~mmjohns2/aces/.

Make plans now to attend the dedication ceremony, which will be held at 1 p.m. on Thursday, October 4, in a large tent just southwest of Mumford Hall. Immediately following the dedication, a ribbon-cutting ceremony will take place at the north door of the library, and a reception will be held in the Library's Heritage Room on the first floor. Self-guided tours, with maps of the building, will be available.

The platform party for the dedication will consist of Dean Robert Easter; a UI Board of Trustees representative; President Stukel; Governor Ryan (if available); Chancellor Cantor; Sidney Micek, head of the University Foundation; University Librarian Paula Kaufman; John Rundquist, an ACES alumnus; and Rebecca Meyer, ACES student council president.

In case of inclement weather, the alternate site for the dedication will be the Illini Union. Contact Associate Director of Development Scottie Miller at scottiem@uiuc.edu if you have additional questions.

DRUMMER OFFICIAL ILLINOIS SOIL

In addition to a state bird, tree, flower, mineral, and insect, Illinois will soon have an official state soil. Legislation was passed in the Illinois House of Representatives with a 113-0 vote and in the Senate with a 54-0 vote to designate Drummer as the official state soil. Governor George Ryan signed the bill on August 2, 2001.

Professor **Ken Olson** reports that it took 14 years, many attempts, and lots of effort by members of nine public and private organizations participating in the Illinois Cooperative Soil Survey to get the legislation passed. However, with the help of high school FFA chapters, the most recent attempt was successful.

Drummer soil (fine-silty, mixed, superactive, mesic Typic Endoaquolls) was selected as the official soil after voting by various members of the Illinois Cooperative Soil Survey agencies and student chapters of FFA. Illinois is approximately the 16th state to have an official state soil. Drummer soil is the most extensive soil in Illinois, occurring on 1.5 million acres. This soil is found primarily in the northeastern part of Illinois, and is recognized in approximately half of the 102 Illinois counties.

Educational and promotional activities are planned during the next year to promote Drummer as the official state soil and to celebrate 100 years of the Illinois Cooperative Soil Survey, which began in 1902 as a cooperative project between the Illinois Agricultural Experiment Station and the Federal Bureau of Chemistry.

MORROW PLOTS COMMEMORATED AT AGRONOMY DAY

On August 23, 2001, the College of ACES held a special celebration recognizing the 125 years of research at the Morrow Plots, which was declared a national historic monument in 1967. These plots are the oldest continuous agricultural research plots in the United States. The recognition program was held in conjunction with the 45th consecutive Agronomy Day at the University's South Farms Crop Science Center. WGN farm broadcaster Orion Samuelson was emcee for the program, and the UI campus singing group "The Other Guys" performed "The Morrow Plots Song." Bus tours to the historic Morrow Plots site followed the ceremony.

GERTNER'S SUMMER TRAVELS

This summer, Professor **George Z. Gertner** traveled to Great Britain and Switzerland. In Britain, he was an organizer of a Conference on Forest Biometry, Modeling and Information Sciences. The sponsor of the conference was the University of Greenwich School of Computing and Mathematical Sciences, and the International Union of Forestry Research Organization. At the conference he presented two papers. The first was entitled, "Comparison of computationally intensive spatial statistical methods for generating inputs for spatially explicit error budgets" by Gertner. The second paper was coauthored by **Shoufan Fang**, research programmer, and Gertner, and was entitled "Analysis of parameters of two growth models estimated using Bayesian methods and nonlinear regression." In Switzerland, he spent three weeks visiting high Alpine field plots established by the Swiss Federal Institute for Forest, Snow and Landscape Research, in order to get an understanding of the different types of uncertainties in field measurements.

NEWS FROM KENNETH OLSON

For two weeks in July 2001, Alexander Gennadiyev, Associate Dean of Research for the Geography Faculty at Moscow State University in Russia visited NRES. The purpose of the trip was to continue collaboration on a land degradation project with Professors **Kenneth Olson** and

Robert Jones under terms of a linkage grant from the Environmental Security Division of NATO.

STATE FORESTRY CONTEST AT ILLINI GROVE

Illinois 4-H members competed at the State 4-H Forestry Judging Contest held at Illini Grove on the University of Illinois campus on June 19, 2001. The competition was coordinated by **Mike Bolin**, Extension Forester. **Mary Lowry** and **Jeremy Shafer**, research specialists in agriculture, and **Linda Kemplin**, chief clerk, assisted with the contest. A combined team from Adams and Pike Counties won the 2001 competition, which included Matt Miller, Linda Woods, Justin Meyer, and Amanda Mowen. Teams competed in four events: tree identification, tree measurement, compass traverse, and tree fruit identification. The Adams/Pike County team will train for one year under a coach and will represent Illinois at the National 4-H Forestry Invitational next summer.

If you would like to learn more about the Illinois 4-H Forestry Judging Contest or the National 4-H Forestry Invitational, please go to http://forestryjudging.nres.uiuc.edu. This web site was developed as a training tool for 4-H members competing in these contests.

ILLINOIS 4-H FORESTRY TEAM PLACES THIRD

Members of the Illinois 4-H forestry judging team placed third at the National 4-H Forestry Invitational held at the State 4-H Conference Center in Jackson Mill, West Virginia in early August 2001. The team consisted of high school-aged 4-Hers from Piatt County (Monticello, Illinois) and included Connor Lawrence, Cade Lawrence, Miranda Bennett, and Bryce Waddell. Connor Lawrence earned the High Point Individual honors at the Invitational and his brother Cade finished in fourth place. The Invitational was coordinated and chaired by **Mike Bolin**, Extension Forester.

The team qualified for national competition by winning the Illinois State 4-H Forestry Contest, also conducted by Bolin, in June 2000, and trained for one year for the Invitational under the leadership of **Dave Shiley**, Natural Resources Extension Educator in the Champaign Extension Center and NRES doctoral student. Shiley has coached Illinois' teams to numerous top ten finishes.

Jim Apple by, research associate professor, is also a member of the National 4-H Forestry Invitational committee and is in charge of the forest insect identification event. International Paper Company Foundation has sponsored the Invitational for 22 years. Bolin has been a leadership role with the Invitational since 1983.

The 4-H forestry team competes in 7 different events at the Invitational, including: tree identification, tree measurement, forest evaluation, forest insect and disease identification, compass traverse, topographic map interpretation, the Forestry Bowl (a fast-paced event patterned after TV quiz shows), and a comprehensive written exam which uses the textbook entitled "Forests and Forestry," written by Professor **Gary L. Rolfe**, as the main reference for questions. The 4-Hers who prepare themselves in earnest for this contest typically know as much about forestry as a college junior majoring in forestry. Many colleges recruit their forestry students from the Invitational participants.

If you would like to know more about the National 4-H Forestry Invitational, go to the Invitational web site: www.invitational.uiuc.edu.

BIODIVERSITY BLITZ

On June 29-30, 2001, the INHS Biodiversity Blitz was held at Allerton Park near Monticello, Illinois. Many Survey staff members and private citizens turned out for this important "species count." Associate Professional Scientist **John Bouseman** worked on the collection and identification of beetles; Assistant Professor **Cathy Eastman** sorted insects and assisted in the collection of insects from manure and weeds; Assistant Supportive Scientist **Kate Higgs** served as one of the INHS Center for Economic Entomolgy (CEE) respresentatives to the Biodiversity Blitz Organizing Committee; and Assistant Professor **Lee Solter** collected and worked on identifications of protozoa. Associate Professor **Eli Levine**, Senior Research Specialist in Agriculture **Charlie Helm**, and retirees **Ed Armbrust** and **Steve Roberts** collected macroinvertebrates in field crops. Charlie Helm also gave a presentation entitled "Insect Collecting Techniques." Supportive Scientist **Carolyn Nixon** operated the mystery table where she sorted out specimens that collectors brought in and tried to get them to the scientist who could identify them. Assistant Supportive Scientist **Michelle Garland** created all of the graphics displayed and manned the information booth; **Ed Zaborski**, Ana Cabrera and Karla

Medina from the soil invertebrate ecology lab and **Jim Nardi** from the Department of Entomology worked as a team tallying more than 90 species of soil invertebrates including soil mites, springtails, proturans, campodeids, japygids, pauropods, pseudoscorpions and earthworms. Research Scientist **Gail Kampmeier** organized the data entry component using the database Mandala software written in FileMaker Pro that was originally developed for the therevid PEET program for systematics research (see their website: http://www.inhs.uiuc.edu/cee/therevid/). Twelve other volunteers helped with data entry that weekend, among them **Claire Montgomery**, **Kate Marlin**, **Dmitry Svistyulya**, and **Kate Higgs.**

The event was chaired by **Michael R. Jeffords,** professional scientist and public relations and education liaison for the Survey. To view a list of the species identified at Allerton, go to http://www.prairienet.org/bioblitz/.

CHILDREN'S GARDEN

Adjunct Professor **Ken Robertson** participated in a workshop as part of the planning process for a Children's Adventure Garden at the Morton Arboretum in Lisle, Illinois in August 2001. Ken served as the botanical expert on a panel of outside advisors that included specialists in playgrounds, education, media for museums, and children's and science museums. If everything goes according to plan, the children's garden will occupy six to eight acres and open in the spring of 2004.

CLOYD ORGANIZES WORKSHOP

Assistant Professor **Raymond Cloyd** organized the Third Annual Greenhouse Management Workshop in June 2001 at the Crowne Plaza Hotel, Springfield, Illinois. This workshop was a tremendous success based on the results of the evaluations.

Approximately 40 individuals attended the workshop, which included presentations on insect management; people as an essential resource in companies; use of biological control for fungus gnats; status and future of greenhouse industry; fuel cost concerns and what can be done; and how to implement a scouting program. Several of the presenters were individuals who either work at or own a greenhouse production facility.

AWARDS AND HONORS

KUDOS FOR VINING

The Island Press book, *Restoring Nature,* has won the Merit Award for Research from the American Society of Landscape Architects and the Society for Ecological Restoration Communication Award. Congratulations to Associate Professor **Joanne Vining,** who coauthored a chapter on public opinion in restoration controversies for the book. See the "Publications" section for the complete citation for this chapter.

BRISKIN APPOINTED EDITOR OF JOURNAL

Professor **Donald P. Briskin** was recently appointed associate editor-in-chief of the journal "Plant Physiology and Biochemistry." This is long-standing international journal of fundamental plant science originating in France as "Physiologie Vegetale."

CAVANAUGH-GRANT ELECTED TO SWCS BOARD

Deborah Cavanaugh-Grant, research specialist in agriculture, was recently elected to the national Soil and Water Conservation Society (SWCS) Board as an At-Large Director. Her responsibilities include assuring that the Board represents public policy, advocacy, natural resource knowledge, and maintaining contact with national and state agencies, other societies, environmental, agricultural, conservation and other groups.

SWCS is a private, nonprofit scientific and educational organization devoted to the conservation of land, water, and related resources worldwide. Its mission is to advance these resources to meet the needs of present and future generations by creating a variety of forums to identify, analyze, and formulate workable recommendations on land and water management policy and issues.

POO CHOW'S NEWS

Poo Chow, professor of wood sciences, has received a grant from the USDA to perform research with scientists at the Water Conservation Laboratory, USDA-ARS in Phoenix, Arizona, and U.S. Forest Products Laboratory in Madison, Wisconsin.

Chow was also recently elected to serve as an officer by the following professional societies: Chair, Utilization and Marketing Committee, Walnut Council; Board Member, Illinois Wood Products Association; Chair, Midwest Section, Forest Products Society; Chair, Host Reception Committee, and Planning Committee Member of 2002 Annual Meeting of Forest Products Society; Co-Chair, Composites and Non-Textile Uses Technical Group, FAO European Cooperative Research Network on Bast Plants.

WARNER NAMED DIRECTOR OF IISGCP

Professor **Richard Warner** was recently named director of the Illinois-Indiana Sea Grant College Program (IISGCP). The mission of the IISGCP is to foster the creation and stewardship of an enhanced and sustainable environment and economy along southern Lake Michigan and in the Great Lakes region through research, education, and outreach. The Program is one of 30 in the National Sea Grant College Network and emphasizes four main themes: aquaculture, biological resources, coastal business and environment, and water quality. The IISGCP is a cooperative venture of the University of Illinois,

Purdue University, and the National Oceanic and Atmospheric Administration (NOAA). As director, Warner will be responsible for setting program goals, developing and overseeing sponsored activities, managing personnel and handling external relations.

GRANT AWARDS

Congratulations on the following grants that were recently approved:

Cloyd, R. A., and **R. N. Wiedenmann** (PI). Enhanced plant production in interior plantscapes by combining reduced-risk insecticides with biological control agents. C-FAR \ UIUC Internal Competitive Grants Program FY2001. Proposal Duration: 7/01/2001 through 6/30/2003. Funding Awarded: $60,000.00.

Coons, J. and **H. Owen**. Reproductive Biology of Silvery Bladderpod, an Illinois Endangered Species. Illinois Department of Natural Resources Wildlife Preservation Fund, Summer 2000. Awarded $1000.

Coons, J. and **H. Owen**. Seed Vigor of Virginia Bunchflower (Melanthium virginicum) from Illinois. Illinois Department of Natural Resources Wildlife Preservation Fund. Summer 2001. Awarded $1000.

Kalnay, P. L., G. Czapar, and **R. A. Cloyd** (PI). Developing educational programs for retail stores that sell pesticides. United States Environmental Protection Agency Grant. Educational Pilot Program. Proposal Duration: 1/01/2001 through 12/31/2002. Funding Awarded: $21,900.00.

Voegtlin, D. Biological Control of the Pine Aphids Cinara atlantica and Cinara pinivora in Brazil through the introduction of parasitoids collected in North America. $7,000. Embrapa Florestas (in Brazil). April 1, 2001-March 31, 2002.

Voegtlin, D.. Baseline survey of invertebrates at Indian Ridge Marsh, Indian Creek and Hegewisch Marsh. $29,956. Waste Management & Research Center, Illinois Department of Natural Resources. April 15, 2001-April 14, 2002.

Warnock, D. F., and **R. A. Cloyd** (PI). Managing western flower thrips using a combination of impatiens with natural resistance and reduced-risk insecticides. Fred C. Gloeckner Foundation Research Grant Program. Proposal Duration: 9/01/2001 through 8/31/2002. Funding Awarded: $10,000.00

STUDENT NEWS

HORTICULTURE CLUB UPDATE

The Horticulture Club is off to another busy start this semester, after participating with an information booth at Quad Day, August 21, 2001. The executive board held an informal dinner on the 22nd, and the club's first meeting was held on August 29. The agenda for the first meeting included introductions of the new officers and students, a slide show to familiarize new members with the club's goals and activities, refreshments, and activities to help old and new members get to know one another. Subsequent meetings are scheduled for September 12 and 26, October 10 and 24, and November 7, 14 (this will be a potluck dinner), and 28. For more information, contact Hort Club President **Mark Uchanski** at the email address listed below.

The 2001-2002 Hort Club officers are:

President	**Mark Uchanski**	meuchans@uiuc.edu
Vice-President	**Molly Karnes**	karnes@uiuc.edu
Treasurer	**John Garlisch**	jgarlisc@uiuc.edu
Secretary	**Katie Gumbel**	kgumbel@uiuc.edu
Flower Show Chair	**Meg Wernert**	wernert@uiuc.edu
Grower	**Meredith Blumthal**	mblumtha@uiuc.edu
Social Chair	**Laura Haake**	lhaake@uiuc.edu
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Reporter	**Jill Streitmatter**	streitma@uiuc.edu
ACES Council Rep	**Dorine Lottinville**	lottinvi@uiuc.edu
Hort Therapy	**Nicki Flocca**	flocca@uiuc.edu

SOIL AND WATER CONSERVATION SOCIETY

A new student chapter of the University of Illinois Soil and Water Conservation Society (SWCS) will hold its first organizational meeting on Thursday, September 6 at 4 p.m. in Room N-107 Turner Hall.

SWCS is a private, nonprofit scientific and educational organization devoted to the conservation of land, water, and related resources worldwide. Its mission is to advance these resources to meet the needs of present and future generations by creating a variety of forums to identify, analyze, and formulate workable recommendations on land and water management policy and issues.

This student chapter offers the opportunity to learn about current developments in conservation from professionals on and off campus. By sponsoring special conferences and seminars, the chapter can affect natural resource management directly, educate its members and others, and give student members more opportunities to meet people with similar interests and goals. Students can get involved in issues and projects beyond those offered in the classroom.

Contact **Deborah Cavanaugh-Grant**, board at-large director of the SWCS and research specialist in agriculture at (217) 968-5512 or cavanaughd@mail.aces.uiuc.edu for more information.

WILDLIFE SOCIETY NEWS

The Illini Student Chapter of the Wildlife Society held its first meeting of the semester on August 30 to discuss the details of their forthcoming trip to Richardson Wildlife Foundation in West Brooklyn, Illinois. The Society has a weekend retreat planned for September 14-16, 2001 at the Foundation, which is a privately owned wildlife management area consisting of approximately 1,200 acres of restored prairies and wetlands. During the retreat, members will participate in a prairie forb/seed collection, go on a tour of the facilities, and have opportunities to watch wildlife, to hike and to fish. Executive Board Members for 2001-2002 are: President **Brian Piccolo,** Vice President **Jason Williams,** Secretary **Valerie Olinik,** Treasurer **Courtney Blood,** Graduate Board Member **Shana Lavin,** Undergraduate Board Member **John Plescia,** and Faculty Advisor **Pat Brown.** For more information on the Wildlife Society and dates of upcoming meetings, check their website at http://wildlifesociety.nres.uiuc.edu/.

NRES GSO NEWS

The NRES Graduate Student Organization (GSO) kicked off the semester with a "welcome back" social gathering the evening of August 23 at the Bread Company in Urbana. The event was open to all NRES grad students. The GSO has also announced the following new officers: President, **Scott Schaefer,** Treasurer, **Leslie Heffron,** and Secretary, **Melinda Merrick.**

The purpose of the NRES GSO is to foster communication between graduate students and the departmental administration and to create a network of resources representing the diverse student body of NRES. The organization also serves as a forum for social interaction among NRES graduate students, and everyone is welcome to attend their meetings. The first GSO meeting for this semester is Monday, September 10 at 5:30 p.m. in Turner Hall (the room is yet to be determined). Watch for email announcements and updates on the GSO bulletin board on the first floor of Turner Hall. For more information about the GSO, email any of the officers listed above.

STUDENT SUBUNIT OF THE AFS

If you are interested in fisheries, ichthyology, aquaculture, or just angling in general, the Student Subunit of the American Fisheries Society (AFS) is the organization for you. The AFS Student Subunit provides opportunities for students who have a desire to learn more about fisheries science, management and education, via information exchange with related departments and organizations across campus, contacts with outside agencies, and community outreach activities. There is no cost for new members to join, and dues for returning members are only $5/yr. For more information, contact President **Matthew Wolfe** at mdwolfe@uiuc.edu or visit the Subunit's website at http://www.uiuc.edu/ro/AFS_Subunit/.

ORIENTATION HELD FOR NEW GRAD STUDENTS

On August 20, 2001, NRES held its first new graduate student orientation at 3 p.m. in 103 Mumford Hall. NRES Student Services Coordinator **Mary Lowry**, assisted by **Karen Claus** , secretary IV, organized and hosted the event, which was designed to allow NRES faculty and currently enrolled graduate students to meet and interact with incoming graduate students. Sixty-five people attended, and shared conversation, advice and refreshments. Interim Head **Mary Ann Lila Smith** and Professor **Jack Juvik** gave brief welcomes and words to the students. NRES GSO President **Scott Shaefer,** Internship Coordinator **Karyn McDermaid** and Payroll Officer **Linda Kemplin** were also there to greet the new students.

NRES NEWSMAKERS

PROFILE ON MASTURA RAHEEL

Mastura Raheel, professor of textile science, was featured in an article titled "The Job Center: Focus on Careers in Fashion Design and Textiles" in the Tuesday, August 21, 2001 edition of *The News-Gazette* on page D-2. Raheel explained that her field of study is not in the fashion design area, but in the related field of textiles. She is interested in the application of chemistry in our daily lives ranging from food to medicine, fibers and textiles.

She explained that "developments in the field have enabled us to have high-performance sports clothing,

protective clothing toward chemical/biological/thermal hazards and specialized clothing (space suits) that made, in part, space exploration feasible for humans."

Raheel's research group has worked with chemical protective clothing, as well as methods to screen barrier effectiveness. She continues to find the work challenging and rewarding, while trying to keep up with a continually changing marketplace.

* *News-Gazette* photo by John Dixon

"FIELD GUIDE TO BUTTERFLIES OF ILLINOIS" PROMOTION

Adjunct Professor **John Bouseman** and Jim Sternburg presented an IWIN course entitled "Butterflies of Illinois" to a class of twenty-eight participants and three auditors in May 2001. The Richardson Wildlife Foundation, West Brooklyn, IL, was the venue.

Bouseman also participated in some interviews and reviews concerning the book "Field Guide to Butterflies of Illinois." These included "The Butterflies of Summer," by Ryan Reeves in *Illinois Issues,* July/August 2001;"Field Guide is Tell-all on Butterflies of Illinois," by Tinsley H. Davis in the *St. Louis Post-Dispatch*, July 2001; and "Inviting Havens, " by Nina A. Koziol in the *Chicago Tribune*, July 2001.

SOYFACE TEAM INVESTIGATES GREENHOUSE GASES

An August 16, 2001 article by Jim Barlow in *Inside Illinois* featured SoyFACE (Free Air gas Concentration Enrichment), an experiment designed to test crop growth in the presence of both increased carbon dioxide and ozone—conditions that may come to pass as a result of global warming. The experiment is the first of its kind, and is headed by Professor Donald Ort and **Evan DeLucia,** professor of plant biology and NRES affiliate. Similar experiments have been conducted elsewhere to examine the effects of elevated CO_2 on wheat and rice crops, but SoyFACE is also incorporating the effects of elevated ozone levels on soybeans under actual field conditions. Fifteen faculty members from five UI departments (Crop Sciences, NRES, Plant Biology, Food Science and Human Nutrition and Animal Sciences) are involved with the project, and other universities from within the United States, the United Kingdom, Italy and Canada will be collecting their own data. NRES faculty members involved, in addition to DeLucia, include: **Donald Briskin, John Cheeseman, Mark David, Jeff Dawson, Steve Hollinger,** and **Michelle Wander.** To learn more about SoyFACE, visit the project's website at http://www.soyface.uiuc.edu.

PERSONALS

JOYCE ANN CANADAY RETIRES AFTER 44 YEARS OF SERVICE

Numerous friends and colleagues in the College of ACES say goodbye to **Joyce Ann Canaday**, who retired from the Department of NRES on August 31, 2001. Joyce leaves behind a 44-year career that spans a wide range of growth on the U of I campus, as well as in ACES. It is easy to say that she will be missed by all, from students to staff to faculty.

During her many years of service, which began in August 1957, Joyce was known for going the "extra mile." It was not unusual to see her office light shining from early morning to early evening. "Ask Joyce" became a familiar phrase among students and staff. Her tenure spans the range of ACES' deans, from Orville Bentley to David L. Chicoine, and most recently, Interim Dean Robert Easter. David Dodds Henry was UIUC president when Joyce walked onto campus.

In her own words, *"When I first began, I was in the steno pool, delivered mail twice daily, and got to know everyone in the Ag College that way."* Joyce was among the first to move to the newly opened Turner Hall in 1963, as a typing clerk II with the Agronomy Extension faculty.

After the birth of her daughter, Beth, Joyce took a break from campus. She left in December 1964 and returned in October 1965, working part-time in the Dean's Office in the College of Agriculture. In August 1975, she transferred to the former forestry department and saw its evolution into the Department of NRES in 1995. She retired as administrative aide and assistant to the department head, a position she held since July 1987.

Joyce leaves campus with a wealth of knowledge about the college and its history. When faculty and staff commented on her departure, the words heard most often were *dedication, outstanding service,* and *professionalism.* Combine that with her smile (and all those delicious contributions from her oven over the years), and you get a clearer picture of Joyce Canaday. Her departure leaves a noticeable absence in the NRES structure.

You may still run into her in Turner Hall. She plans to be on campus once a week or so, continuing as recording secretary for the Illinois Forestry Development Council. We wish her the best in her retirement and share with you three of her highest honors over the years.

1996 First Annual College of ACES Staff Award for Excellence

1995 U of I Office Professional of the Year Award by the Secretariat, an organization of supervisory-level staff employees

1993 Department of Forestry Distinguished Staff Award

CHANGES IN THE ADMINSTRATIVE OFFICE

Recently, there have been several changes occurring in the personnel in the administrative office. In July 2001, **Lisa Emerson**, former resource and policy analyst, took a position as application specialist with the UI integrate business and finance systems team. A search for her replacement will take place in the next few months. **Kelly Sullan**, accountant I in the business office, is serving as interim manager.

Also in July, **Luann Schiff**, former administrative clerk and personnel manager in the NRES business office, took a similar position with the UI College of Veterinary Medicine. **Linda Kemplin**, chief clerk and former NRES receptionist, is the new personnel manager. **Cris Nelson** from extra help services is filling in as receptionist.

Susan Witt, former Secretary III at the Edward R. Madigan Laboratory, left the department in August 2001 to pursue a teaching career. She is now teaching seventh grade in Kansas City, Missouri. **Gina Meredith** from extra help services is filling in until a permanent replacement is found.

Starting in September, **Crystal Bartanen** will be transferring from the UI faculty and staff assistance program and will be assisting Interim Head **Mary Ann L. Smith** as staff secretary. Please take a minute to welcome her to the department.

The NRES family welcomes all new personnel and thanks those who have moved on for their service—you will be missed!

TIM VAN DEELEN LEAVES NRES

Assistant Professor **Timothy Van Deelen** recently left the NRES faculty and joined the Wisconsin Department of Natural Resources. The following is his forwarding address in case anyone needs to contact him:

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Wisconsin Department of Natural Resources
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Rhindelander, WI 54501
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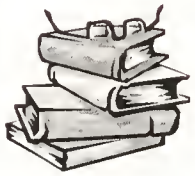
PUBLICATIONS



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MEETINGS ATTENDED / PAPERS PRESENTED

Beach, S.E., J.M. Coons, H.R. Owen, B.L. Todd, and **M.A.L. Smith**. 2001. Comparison of seed production and germination in three distinct colonies of Lesquerella ludoviciana. Botany 2001 Abstracts (Annual Meeting for Botanical Society of America). p. 46. poster.

Chow, P. June 2-7, 2001. Bast Plants in the New Millennium Conference, Centre of the FAO European Cooperative Research Network on Flax and other Bast Plants. Borovets, Bulgaria.

Chow, P. May 21-25, 2001. IRG-32 Annual Conference, International Research Group on Wood Preservation. Nara, Japan.

Chow, P. June 24-28, 2001. The 54th Annual Meeting, Forest Products Society. Baltimore, Maryland.

Cloyd, R.A. July 2001. Integrated pest management. Big Muddy River Correctional Center, Ina, IL.

Cloyd, R.A. July 2001. Insect management in perennial production. Ohio Florists' Association Short Course, Columbus, OH.

Cloyd, R.A. July 2001. Understanding the behavior of fungus gnats and their natural enemies. Ohio Florists' Association Short Course, Columbus, OH.

Cloyd, R.A. July 2001. Ways to maximize pesticide effectiveness. Ohio Florists' Association Short Course, Columbus, OH).

Cloyd, R.A. June 2001. Insect and mite management on bedding plants. Southeast Greenhouse Conference, Greenville, SC.

Cloyd, R.A. June 2001. Resistance management: Theory and practice. Southeast Greenhouse Conference, Greenville, SC.

Cloyd, R.A. June 2001. Insecticide efficacy trials. Southeast Greenhouse Conference, Greenville, SC.

Cloyd, R.A. June 2001. What's happening on the "bug" front. Third Annual Greenhouse Management Workshop, Springfield, IL.

Cloyd, R.A. May 2001. Managing insect and mite pests with new chemistry. Floriculture Spring Seminar, Tampa, FL.

Cloyd, R.A. March 2001. Pest management: Past, present, and future. Third Annual Tri-County Gardening Day, Peoria, IL.

Cloyd, R.A. March 2001. Does plant size influence natural enemy foraging success? Department of Entomology Seminar, Urbana, IL.

Cloyd, R.A. November 2000-May 2001. Grant Writers' Workshop. University of Illinois, Champaign-Urbana, IL.

Cloyd, R.A. August 2001. The Practice of Biological Control: Importation and Management of Natural Enemies and Agents. Bozeman, MT.

Hubert, P., T. Van Deelen, P. Brown, R. Warner, and **B. Cole**. August 2001. Population ecology of eastern wild turkeys in Illinois. Midwest Deer and Turkey Study Group Meeting. Podium Presentation. Dixon Springs Agricultural Center.

Olson, D. and **R. Warner**. July 2001. Movements of the ornate box turtle (*Terrepene ornata*) in a highly fragmented landscape. Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Poster presentation. Indianapolis, IN.

Olson, D. and **C. Costa**. July 2001. The effects of road salt on the early life stages of two common Illinois amphibians. Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Podium presentation. Indianapolis, IN.

Todd, B.L., **H.R. Owen, J.M. Coons**, and C.J. Heisler. 2001. Seed germination and seedling development of Stylisma pickeringii (Patterson bindweed), an Illinois-endangered sand prairie species. Botany 2001 Abstracts (Annual Meeting for Botanical Society of America). p. 44.

CALENDAR

SEPTEMBER

3	Labor Day, UIUC Holiday
6	NRES Faculty Advisory Committee Meeting, 2 p.m., N-527 Turner Hall
11	NRES Faculty Meeting, 10 a.m., 130 Morgan Room, ACES Library, Information, and Alumni Center

OCTOBER

4	NRES Faculty Advisory Committee Meeting, 10 a.m., W-503 Turner Hall
4	ACES Library, Information, and Alumni Center Dedication, 1 p.m. outside of the new facility.
8	NRES Faculty Meeting, 1:30 p.m., 130 Morgan Room, ACES Library, Information, and Alumni Center

NOVEMBER

6	NRES Scholarship Recognition Luncheon, 11:30 a.m. Heritage Room, ACES Library, Information, and Alumni Center
8	NRES Faculty Advisory Committee Meeting, 2 p.m., N-527 Turner Hall
13	NRES Faculty Meeting, 10 a.m., 130 Morgan Room, ACES Library, Information, and Alumni Center
20-24	Thanksgiving Break for students
23-24	Thanksgiving Break for staff

DECEMBER

6	NRES Faculty Advisory Committee Meeting, 2 p.m., N-527 Turner Hall
8	Instruction Ends
9	Reading Day
10	NRES Faculty Meeting, 1:30 p.m., 130 Morgan Room, ACES Library, Information, and Alumni Center
11-16	Final Exams

AUTUMN IS JUST AROUND THE CORNER!

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NRES Mission Statement
The Department of Natural Resources and Environmental Sciences endeavors to establish and implement research and educational programs that enhance environmental stewardship in the management and use of natural agricultural and urban systems in a socially responsible manner.

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